Samsung Showcase™

a GALAXY S™ phone

P O R T A B L E A L L D I G I T A L

S M A R T P H O N E

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Section 1: Getting Started

This section helps you to quickly start using your phone.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 165.

Also included is important safety information beginning on page 136, that you should know before using your phone.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. For more information, see *"Securing Your Phone"* on page 13.

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

→ Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures. For example:

"From a Home screen, touch **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**."

Activating your Phone

If you purchased your phone from your carrier's store, it is activated and ready to use. If you received a new phone by mail, it may need to be activated before you can use it.

To activate your phone, choose from the following:

- Visit you carrier's store.
- Contact customer support.
- Manage your account online.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) are included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning!: Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The battery icon in the Annunciator Line shows battery power level. Two to three minutes before the battery becomes too low to operate, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

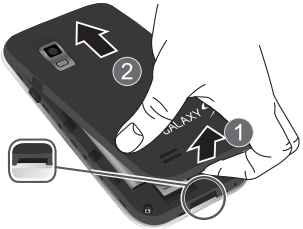
Tip: Task Manager provides helpful information about extending battery life. For more information, see *"Task Manager"* on page 11.

Battery Cover

The battery is under a removable cover on the back of the phone.

Removing the battery cover

- Pull up using the slot provided (1), while lifting the cover off the phone (2).



Installing the battery cover

- Align the cover and press it firmly into place, making sure it snaps into place at the corners.

Installing and Removing the Battery

Installing the battery

1. Remove the battery cover.
2. Insert the battery into the phone, aligning the gold contacts on the battery with the gold contacts in the phone. Push down on the bottom of the battery until it snaps into place.
3. Replace the battery cover.

Removing the Battery

1. Remove the battery cover.
2. Lift the battery up and out of the phone, using the slot provided.
3. Replace the battery cover.

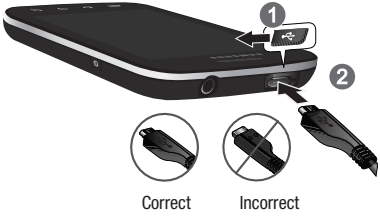
Charging the Battery

Your phone comes with a Wall/USB Charger (Charging Head and USB cable) to charge your phone from any 120/220 VAC outlet.

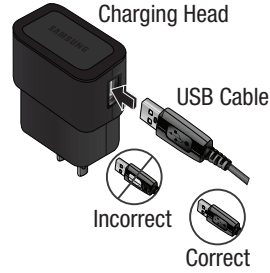
Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

1. On the phone, slide the connector cover (1) to expose the connector.
2. Insert the USB cable into the port (2).



3. Connect the USB cable to the charging head.
4. Plug the charging head into a standard AC power outlet.
5. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the phone.



Non-Supported Batteries

Samsung phones do not support non-approved batteries. Samsung charging accessories, such as the Wall/USB Charger, will only charge Samsung-approved batteries. If you install a non-supported battery and try to charge it, the phone will beep and display the message: "**unable to charge non supported battery see user manual**"

If you receive this warning, battery charging is disabled.

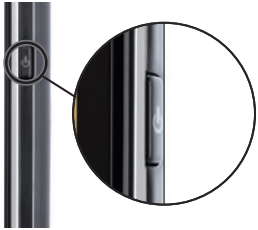
Warning!: Using a non-supported battery may damage your phone.

Turning Your Phone On and Off

Turning Your Phone On

- Press and hold the **Power/Lock Key** for three seconds.

  While powering on, the phone connects with the network, then displays the Home screen and active alerts.



Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than is necessary.

Turning Your Phone Off

1. Press and hold the **Power/Lock Key** for two seconds.
2. At the prompt, tap **Power off**.

Set-up Wizard

The first time you turn your phone on, the Set-up Wizard will prompt you to customize your phone. Follow the prompts to set:

- **Add accounts**: Configure access to your Facebook, Twitter, MySpace, Corporate or Google accounts. For more information, see *"Accounts"* on page 40.
- **My Location**: Configure your phone's use of location services. For more information, see *"My Location"* on page 121.

Your Google Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Talk and the Android Market. When you turn on your phone for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your phone, use Accounts & sync settings (see *"Accounts & sync"* on page 126.)

Displaying Your Phone Number

- From a Home screen, touch **Menu** ➔ **Settings** ➔ **About phone** ➔ **Status**.

  Your phone number displays under **Phone number**.

System Tutorial

Learn about important concepts to get the most out of your phone.

- From a Home screen, touch **Menu** ➔ **Settings** ➔ **About phone** ➔ **System tutorial**.

Voice Mail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

For more information, see *"Voicemail"* on page 39.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information, see *"TTY Mode"* on page 116.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon appears in the Annunciator Line of the display.

Tip: You can set your phone's roaming behavior. For more information, see *"Mobile networks"* on page 114.

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls. Contact your service provider for more information about your coverage area and service plan.

Task Manager

Your phone can run applications simultaneously, with some applications running in the background.

Use Task Manager to see which applications are running on your phone, and to end running applications to extend battery life. You can also uninstall applications from your phone and see how much memory is used by applications.

Task Manager provides information about applications, including:

- **Running**: View and exit running applications.
- **Downloaded**: View and manage applications you've downloaded.
- **RAM**: View and manage Random Access Memory on your device.
- **Storage**: View usage for the phone's internal storage and SD card.
- **Help**: Useful tips for extending battery life.

1. From a Home screen, touch **Applications** ➔ **Task Manager**.
2. Touch the Running tab to view applications running on your phone. Touch **Exit**, or **Exit all** to close applications.
3. Touch the Downloaded tab to view information about applications you've installed on your phone. Touch **Uninstall** to remove an application from your phone.
4. Touch the **RAM** tab to display the amount of RAM (Random Access Memory) in use. Touch **Clear Memory** to clear processes to increase available RAM.
5. Touch the **Storage** tab for Internal phone storage and External SD card memory statistics.
6. Touch the **Help** tab for tips for extending battery life.

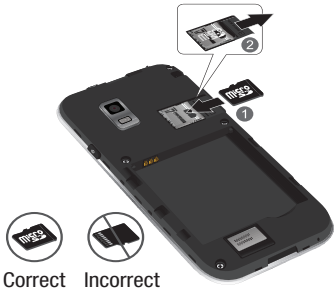
Tip: To launch Task Manager from any screen, touch and hold **Home**, then touch **Task Manager**.

You can also access Task Manager from the **Program Monitor** widget. For more information, see *"Widgets"* on page 25.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, and other files.

Note: You can only store music files that you own (from a CD or purchased with the phone) on a memory card.



Important!: To prevent damage to information stored on the memory card, always unmount the card before removing it from the phone.

Installing a Memory Card

1. Remove the battery cover. For more information, see *"Removing the battery cover"* on page 7.
2. With the gold contacts facing down, carefully slide the memory card into the slot, pushing gently until it clicks into place (1).
3. Install the battery cover. For more information, see *"Installing the battery cover"* on page 7.

Removing a Memory Card

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Storage** ➔ **Unmount SD card.** ➔ **OK**.
2. Remove the rear cover. For more information, see *"Removing the battery cover"* on page 7.
3. Gently press on the memory card, then release so that it pops out from the slot, and carefully pull the card out (2).
4. Install the cover. For more information, see *"Installing the battery cover"* on page 7.

Securing Your Phone

By default, the phone locks automatically when the screen times out, or you can lock it manually. You can unlock the phone using one of the default Unlock screens, or for increased security, use a personal screen unlock pattern.

For more information about creating and enabling a Screen unlock pattern, see *"Screen unlock settings"* on page 122.

Tip: When you use a Screen unlock pattern to secure your phone, the Emergency call feature is available on the lock screen, to allow you to make emergency calls even while the phone is locked.

For other settings related to securing your phone, see *"Location & security"* on page 121.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the phone manually

- Press the **Power/Lock Key** on the side of the phone.

Unlocking the phone

1. Press the **Power/Lock Key** to wake the screen.
2. Touch and swipe left or right to show the screen that was visible when the phone was locked.

Note: You can choose the type of Unlock screen. For more information, For more information, refer to *"Unlocking the Screen - general"* on page 14.

Unlocking with a Personal Screen Unlock Pattern

1. Press the **Power/Lock Key** to wake the screen.
2. Draw your unlock pattern on the screen.

Unlocking with a Personal Screen Unlock Pin or Password

1. Press the **Power/Lock Key** to wake the screen.
2. Enter your Pin or your Password on the screen.
3. Touch **OK**.

Unlocking the Screen - general

1. Press the **Power/Lock Key** to wake the screen.
2. If there are no Notification alerts on your phone, touch and swipe left or right to show the screen that was visible when the phone locked.
3. If there are Notification alerts on your phone, touch and drag the unlock puzzle piece to fit it into the empty spare to show the screen that was visible when the phone locked.
4. Special puzzle pieces display for missed calls or new messages. Drag a missed call or new message puzzle piece to the empty space to view the message or call log.

Section 2: Understanding Your Phone

This section outlines key features of your phone, including keys, displays, and icons.

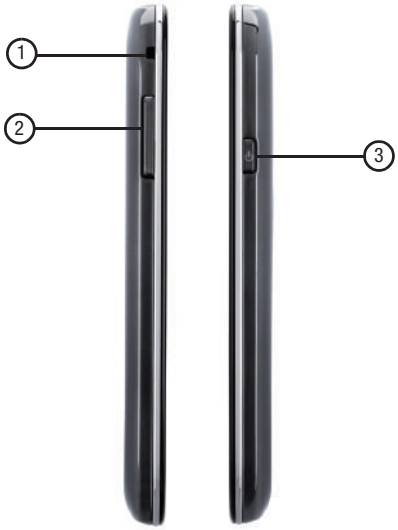
Features

- 4-inch 800x480 Super AMOLED touch screen
- CDMA 1X/EVDO Rev-A Wireless Technology
- Android OS
- Google applications, including Google Talk and Gmail
- Android Market, plus pre-loaded applications
- Connections
  - Wi-Fi 802.11 b/g/n
  - Bluetooth 3.0
  - VPN
  - Dial Up Networking
- Messaging Services
  - Text Messaging
  - Picture Messaging
  - Video Messaging
  - Voice Messaging
  - Email
  - Mobile Instant Messenger (IM)
  - Chat
- 5 Megapixel CMOS Camera/Camcorder
- Picture Gallery, supporting JPEG, PNG, GIF, A-GIF, WBMP and BMP formats
- HD Video Player (720p), supporting H.263, H.264, MPEG4, 3GP, 3G2 (v9), Xvid and DivX formats
- DivX Certified® to play DivX® video up to HD 720p, including premium content.
- Music Player, supporting WAV, MP3, AAC, AAC+, eAAC+, AMR-NB, AMR-WB, WMA (v9/10), EVRC, QCELP, MIDI, and SP-MIDI formats
- Speakerphone
- Voice recognition by Nuance®
- Support for microSD™ and microSDHC™ Memory Cards up to 32GB capacity
- Bluetooth® 3.0 Wireless Technology. For more information about supported profiles, see *"Bluetooth profiles"* on page 111.

Front View

1. **Earpiece and Sub-microphone**: Listen to callers. In Speakerphone mode, captures your voice. While recording video, captures audio. Avoid covering the sub-microphone during Speakerphone mode or when recording video.
2. **Microphone**: Using during calls to allow callers to hear your voice, and when recording.
3. **Menu Key**: Touch to display options for the current screen.
4. **Home Key**: Touch to display the Home screen. Touch and hold to display recent applications or launch Task Manager.
5. **Back Key**: Touch to return to the previous screen or option.
6. **Search Key**: Touch to launch Search, to search your device or the web.

Side Views



1. **Strap holder**: Attach an optional carrying strap (not included).
2. **Volume Key**: From the Home screen, press to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
3. **Power/Lock Key**: Press and hold to turn the phone on or off. Press to lock the phone, or to wake the screen for unlocking. Press and hold to access phone options: Silent mode, Airplane mode and Power off.

Back View

1. **3.5mm Headset Jack**: Plug in an optional headset or TTY equipment.
2. **Camera Lens**: Used when taking photos or recording videos.
3. **Camera Flash**: Used when taking photos.
4. **External Speaker**: Plays ringtones, call audio when in Speakerphone mode, music and other sounds.
5. **USB Power/Accessory Port**: Connect a USB cable for charging or to sync music and files.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning!: If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, see *"Warranty Information"* on page 157.

Command Keys

Menu Key

Touch **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Touch **Home** to display the Home screen.

Touch and hold **Home** to launch a menu of recent applications, or to launch Task Manager.

Back Key

Touch **Back** to return to the previous screen, option or step.

Search Key

Touch **Search** to launch Quick Search, to search the web and your phone.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen. To access context-sensitive menus:

- Touch **Menu**.
- Touch and hold on an item.

Finger Gestures

Touch

Touch items to select or launch them. For example:

- Touch the on screen keyboard to enter characters or text.
- Touch a menu item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe, Flick or Slide

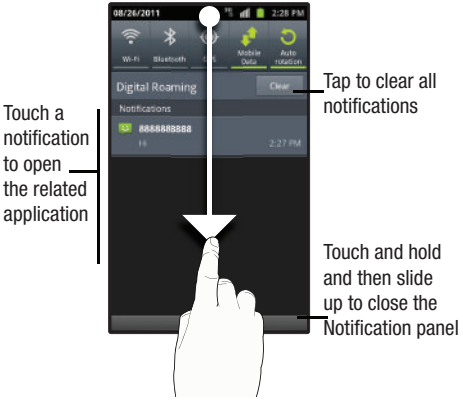
Swipe, flick or slide your finger vertically or horizontally across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu

Notification Panel

The Notification Panel shows information about connections, messages and other items.

▶ Sweep your finger downward from the top of the screen.



Touch buttons at the top of the Notification Panel to toggle settings:

- **Wi-Fi**: Turn Wi-Fi on or off.
- **Bluetooth**: Turn Bluetooth on or off.
- **GPS**: Turn Standalone GPS services on or off.
- **Mobile data**: Activate or deactivate your phone's access to the mobile data network.
- **Auto rotation**: Enable or disable the Auto rotation setting, to control whether the screen automatically updates when you rotate the phone.

For more information about Connection settings, For more information, refer to *"Wireless & network"* on page 110.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.
2. Touch a notification to clear it.

   – or –

   Touch **Clear** to clear all notifications

Home Screen

The Home screen is the starting point for using your phone.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

1. **Annunciator Line**: Presents icons to show network status, battery power, and connection details. For a list of icons, see *"Annunciator Line"* on page 23.
2. **Home screen**: The starting point for using your phone. Place icons, widgets and other items to customize your phone to your needs. For more information, see *"Home Screen"* on page 21.
3. **Primary Shortcuts**: Shortcuts to your phone's common features. For more information, see *"Primary Shortcuts"* on page 24.
4. **Shortcuts**: Shortcuts to common applications.These shortcuts are found on the Home screen by default. For more information, see *"Shortcuts"* on page 27.
5. **Widgets**: Applications that run on the Home screen. These widgets are found on the Home screen by default. For more information, see *"Widgets"* on page 25.

Display settings

You can customize display settings to your preferences. For more information, see *"Display settings"* on page 120.

Extended Home Screen

The Home screen consists of the Home panel, plus 6 panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Add Shortcuts**: For more information, see *"Shortcuts"* on page 27.
- **Add Widgets**: For more information, see *"Widgets"* on page 25.
- **Add Folders**: For more information, see *"Folders"* on page 28.
- **Change the Wallpaper**: For more information, see *"Wallpaper"* on page 28.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels, and set one panel as Home.

1. From the Home screen, touch **Menu** ➔ **Edit page**.
2. Touch and drag the panels to rearrange:

Remove: Drag and drop the panel ontop of the trashcan icon to remove the panel.

Add: Scroll the panels to display the location for a panel, then touch the Add button. **Add** previouslyremoved panels up to the default total of seven.

Annunciator Line

The Annunciator line displays icons to show network status, battery power, and other details.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

Airplane Mode Active: All wireless communications are disabled. See “Airplane mode” on page 113.

System Alert: Check Notifications Panel for alerts.

Voice Call: A voice call is in progress.

Speakerphone: Speakerphone is enabled.

Missed Call: Displays when there is a missed call.

Battery Level: Shown fully charged.

Charging Indicator: Battery is charging.

Device Power Critical: Battery has only three percent power remaining. Charge immediately.

3G Connection Active: Phone is active on a 3G system.

USB Connected:The phone is connected to a computer using a USB cable.

New Message: You have new message(s).

New Voicemail: You have a new voicemail message.

New Email Message: You have new email.

Alarm Set: An alarm is active. For more information, refer to *“Clock”* on page 96.

Silent mode: All sounds except media and alarms are silenced. See “Silent mode” on page 117.

Vibrate mode: All sounds are silenced, but the phone vibrates for alerts. See “Sound settings” on page 117.

SD Card Ready: An optional memory card is installed.

SD Card Removed: A memory card was uninstalled.

Bluetooth Active: Bluetooth is turned on.

Bluetooth Connected: The phone is paired with another Bluetooth device.

Wi-Fi Active: Wi-Fi is connected, active, andcommunicating with a Wireless Access Point (WAP).

Wi-Fi Action Needed: Action needed to connect to Wireless Access Point (WAP).

TTY: TTY Mode is active.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for the **Applications** / **Home** shortcut.

Note: When you access **Applications**, the **Home** shortcut replaces the **Applications** shortcut to provide quick return to the Home screen.

Phone: Launches the Phone, to make calls. For more information, see *"Making Calls"* on page 34.

Messaging: Send and receive messages. For more information, see *"Messaging"* on page 60.

Email: Send and receive email messages. For more information, see *"Email"* on page 65.

Applications: Access your phone's applications. For more information, see *"Applications"* on page 29.

Editing the Primary Shortcuts

1. From the Home screen, touch **Applications.**
2. Touch **Menu** ➔ **Edit**.
3. Touch and hold an icon, then drag it to replace a primary shortcut.
4. When you are finished, touch **Menu** ➔ **Save**.

Widgets

Widgets are self-contained applications that you can place on the Home screen to access favorite features.

Adding Widgets to the Home screen

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Widgets**, then touch a widget to add it to the Home screen.

Removing Widgets

- Touch and hold the Widget until **Remove** appears at the bottom of the display, then drag the Widget to the **Trashcan**.

Widgets

AccuWeather Clock: Displays weather for customer selected cities.

Amazon MP3: Purchase and download DRM-Free (digital rights management) music from Amazon digital music store.

Buddies now: Create one touch shortcuts to your favorite Contacts and to your social networking sites.

Calendar:Record events and appointments to manage your schedule.

Calendar Clock: Display an analog clock with the current date.

Daily Briefing: Monitor the weather, financial information, news and your schedule from one convenient location on the Home screen. Appears on the Home screen by default. For more information, see *"Daily Briefing"* on page 97.

Days: Display and maintain a daily Diary.

Dual Clock: Display two time zones.

Feeds and Updates: Display feeds from your Facebook, MySpace, and Twitter accounts, and post an update to your accounts, right from the Home screen. Appears on the Home screen by default. For more information, see *"Feeds and Updates"* on page 43.

Google Search: Launch Google Search.

Home screen tips: View tips about using your phone's Home screens.

Latitude: Share locations and status messages with friends. Send instant messages and emails, make phone calls, and get directions to your friends' locations. For more information, refer to *"Latitude"* on page 99.

Market: Download applications from the Android Market.

News & Weather: Launch Google news and weather.

Picture frame: Display a picture from the Gallery on the Home screen.

Power control: Control Wi Fi, Bluetooth, and GPS connections, and set automatic synchronization and brightness settings.

Program Monitor: Display the number of active applications. Touch to launch Task Manager. For more information, see *"Task Manager"* on page 11.

Rate Places: Quickly assign ratings to places you visit,and share the ratings.

Traffic: Setup a variety of locations that will in real-time, update to show you how long it may take to get there depending on current conditions.

Y! Finance Clock: Display a clock with financial information from Yahoo!® Finance.

YouTube: Search YouTube and watch videos.

Shortcuts

Use Shortcuts for quick access to applications or features.

Adding Shortcuts from the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Shortcuts**, then touch a selection:

Applications: Launch an application. For a list, see *"Applications"* on page 29.

Bookmark: Launch a bookmarked web page.

Contact: View a contact you specify.

Direct dial: Automatically call a contact you specify.

Direct message: Create a message to a contact you specify.

Directions & Navigation: Turn-by-turn instructions to a destination when traveling by car, bus, bicycle, or walking.

Settings: Go to a specific setting.

3. Follow the prompts to configure the Shortcut and add it to the Home screen.

Adding Shortcuts from Applications

1. Navigate to a Home screen panel.
2. Touch **Applications**.
3. Touch and hold on an application icon. The Shortcut icon is automatically placed on the selected Home screen.

Removing Shortcuts

- Touch and hold the Shortcut until **Remove** appears at the bottom of the display, then drag the Shortcut to the **Trashcan**.

Folders

Place Folders on the Home screen to organize items together on the Home screen.

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Folders**, then touch a selection:

New folder: Create a new empty folder.

All contacts: Create a folder containing all contacts.

Contacts with phone numbers: Create a folder containing contacts with stored phone numbers.

Received list from Bluetooth: Create a folder containing a list of items received via Bluetooth.

Recent documents: List of the latest files stored to your phone.

Starred contacts: Create a folder containing contacts marked as Favorites.

Removing Folders

- Touch and hold the Folder until **Remove** appears at the bottom of the display, then drag the Folder to the **Trashcan**.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

   – or –

   From the Home screen, touch **Menu** ➔ **Wallpaper**.

2. Choose a source for images:
   - **Gallery**: Access the Gallery to choose a picture from an installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.
   - **Live wallpapers**: Choose from pre-loaded interactive animated wallpapers. Touch a wallpaper to see an example, then touch **Set wallpaper**.
   - **Wallpaper gallery**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Applications

The Applications screen holds all applications installed on your wireless device. Applications that you download and install from Android Market or from the web are also added to the Applications screen.

You can place shortcuts to applications on the Home screen, for quick access to the application. For more information, see *"Adding Shortcuts from Applications"* on page 27.

1. From the Home screen, touch **Applications**.
2. Slide your finger left or right to scroll the Applications screens.
3. Touch an icon to launch the application.

Customizing the Applications Screens

Choosing a view

By default, application icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch **Applications.**
2. Touch **Menu** ➔ **List View**.

Moving Application icons

1. From the Home screen, touch **Applications.**
2. Touch **Menu** ➔ **Edit**.
3. Touch and hold an application icon, then drag it to a new location.

Tip: You can place Applications on the Primary Shortcuts bar, to allow access to the application from any screen. For more information, see *"Editing the Primary Shortcuts"* on page 25.

4. When you are finished, touch **Menu** ➔ **Save**.

AllShare: Synchronize your phone with your TV. For more information, see *"AllShare"* on page 93.

Amazon MP3: Download DRM-Free (digital rights management) MP3 formatted songs and albums. For more information, refer to *"Amazon MP3"* on page 74.

Apps: Discover apps provides quick and easy access to the best Android applications. For more information, refer to *"Apps"* on page 93.

Asphalt 5: Get behind the wheel of over 30 vehicles from prestigious manufacturers and race in 12 unique locations, with varied track surfaces, short cuts and jumps. For more information, refer to *"Asphalt 5"* on page 94.

Barcode Scanner: Compare prices on items you find to see if you can find the item cheaper online or at another location near you. For more information, refer to *"Barcode Scanner"* on page 94.

Books: Google eBooks is a new way to discover, buy, and enjoy your favorite books online and offline.

Browser: Access the Internet. For more information, see *"Browser (Google)"* on page 68.

Calculator: Perform mathematical calculations. For more information, see *"Calculator"* on page 94.

Calendar: Record events and appointments to manage your schedule. For more information, see *"Calendar"* on page 95.

Camera: Take pictures or record videos. For more information, see *"Camera"* on page 78.

Car Cradle: Operate your phone with an optional Car Cradle accessory. For more information, see *"Car Cradle"* on page 96.

Clock: Keep track of time with Alarm, World clock, Stopwatch and Timer features.

Contacts: Save and manage contact information for your friends and colleagues. Appears in the Primary Shortcuts by default. For more information, refer to *"Contacts"* on page 43.

Daily Briefing: Monitor weather, financial information, news and your schedule, from one application. For more information, see *"Daily Briefing"* on page 97.

Desk Cradle: Operate your phone with an optional Desk Cradle accessory. For more information, see *"Desk Cradle"* on page 97.

Downloads: View, reopen, or delete items you have downloaded.

Free Games!: Browse, download, and install Android games.

Galaxy S premium: Access premium, subscription Customer Care web site for SCH-i500 users.

Gallery: View and manage pictures stored on your phone, or on an optional installed memory card. For more information, see *"Gallery"* on page 83.

Gmail: Send and receive emails via Gmail, Google's web-based email. For more information, see *"Gmail"* on page 62.

Google Search: Perform Google searches from the Home screen. you can choose to search the Web, Apps, Contacts, or All.

Latitude: Share your location with chosen friends

Maps: Tracks your current location, provides a real-time view of traffic issues, and displays detailed destination directions. For more information, refer to *"Maps"* on page 99.

Market: Browse, download, and install Android applications. For more information, see *"Market"* on page 100.

Media Hub: Browse the latest movies and TV shows, then rent or purchase the media for viewing on your phone. For more information, refer to *"Media Hub"* on page 85.

Memo: Create text memos, and send memos via Bluetooth. For more information, see *"Memo"* on page 101.

Mini Diary: Allows you to create a mini diary where you can add a photo, and text to describe an event or other memorable life event. For more information, refer to *"Mini Diary"* on page 101.

Music Player: Play music stored on an optional installed memory card. For more information, see *"Music Player"* on page 74.

My Files: Find, view and manage files stored on an optional installed memory card. For more information, see *"My Files"* on page 103.

Navigation: Google Maps Navigation (Beta) is an internet-connected turn-by-turn, GPS navigation system with voice guidance. For more information, refer to *"Navigation"* on page 19.

News & Weather: Launch Google news and weather.

Places: Find places of interest near your **Latitude** location. (For more information, refer to *"Latitude"* on page 99.)

Settings: Configure your phone to your preferences. For more information, see *"Settings"* on page 110.

Talk: Chat with other Google Talk users. For more information, see *"Google Talk"* on page 65.

Task Manager: View and manage active applications. For more information, see *"Task Manager"* on page 11.

TextCS: Use TextCS to send a text message to Customer Support (311) with questions for support or account information. For more information, refer to *"TextCS"* on page 105.

ThinkFree Office ™: View and manage files in a Microsoft® Office-compatible software suite. For more information, refer to *"ThinkFree Office"* on page 105.

Video Player: Play and manage videos stored on an installed memory card. For more information, see *"Video Player"* on page 82.

Voice Commands: Speak commands to make calls, and to launch other phone features. For more information, see *"Voicemail"* on page 39.

Voice Recorder: Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail. For more information, see *"Voice Recorder"* on page 108.

Voice Search: Perform a Google search by speaking your search terms. For more information, refer to *"Voice Search"* on page 108.

Write & Go: Capture ideas, then choose a format for sending via Gmail, saving to the Calendar or as a memo, or posting it to Facebook. For more information, see *"Write & Go"* on page 109.

YouTube: View and upload YouTube videos, right from your phone. For more information, refer to *"YouTube"* on page 109.

This section describes how to make, answer or end calls.

Making Calls

Your phone offers multiple ways to make calls:

- Use the touch screen **Phone Dialer** to enter the phone number or speed dial number.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Call log**.
- Voice dial using **Voice Commands**.

Making Calls Using the Phone Dialer

1. From a Home screen, touch **Phone**.
2. Touch the digits of the telephone or speed dial number on the **Dialer** keypad. While dialing, use these options:
   - Touch **Menu** → **Speed dial setting** to dial or set Speed Dials.
   - Touch **Menu** → **Add 2 sec pause** to insert a 2-second pause in the telephone number.
   - Touch **Menu** → **Add wait** to insert a Wait pause in the telephone number, to pause dialing to wait for input from you.
3. Touch to place the call.

Making Calls using Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact. For more information about setting speed dials, see *"Speed Dials"* on page 52.

1. From a Home screen, touch **Phone**.
2. Touch the digits of the speed dial number on the Dialer keypad, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 43.

1. From a Home screen, touch **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Touch Call to dial the default number for the Contact.

Making Calls using Voice Commands

Place a call by speaking the name or number. For more information, see *"Voice Commands"* on page 105.

Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Favorites"* on page 48.

1. From a Home screen, touch **Phone**.
2. Touch Favorites **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Touch Call to dial the default number for the Contact.

Making Calls from Call Log

Return a call, or call a number from a recent call stored in Call log. For more information about Call log, see *"Call Log"* on page 38.

1. From a Home screen, touch **Phone**.
2. Touch Call log **Call log** to display recent calls.
3. Find a call, then touch **Call** to dial the number.

Three-Way Calling

Merge two calls to set up a three-way call between you and two other parties.

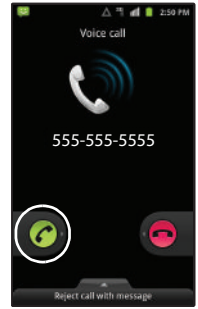
Setting up a Multi-Party Call

1. Establish a call, either by dialing or answering an incoming call.
2. Touch **Add Call**. The first call is placed on hold, and the **Dialer** displays.
3. Enter the second phone number, then touch .
4. Touch **Merge**. The two calls are joined into one, 3-way call.

Answering Calls

You can answer incoming calls when the phone is locked or unlocked.

- With the phone unlocked or locked, touch and drag **Answer**.



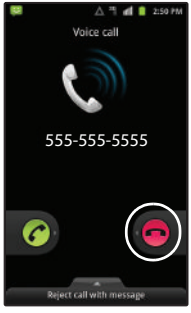
Note: To silence the ringtone for an incoming call, use the **Quiet** button or puzzle piece, or press the **Volume Key** down.

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can ignore the call to send the caller to voice mail, or ignore the call and send a message to the caller.

Ignoring a call

- With the phone unlocked or locked, touch and drag **Ignore**.



Ignoring a call with a message

- With the phone unlocked or locked, touch and drag **Reject call with message**. (For more information, refer to *"Unlocking the phone"* on page 13.)

Note: For more information about creating ignore messages, see *"Ignore with message"* on page 115.

Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and drag **Answer** to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

In-Call Options

While in a call, you can use these features:

- **Add call**: Display the Dialer to set up a multi-party call.
- **End call**: End the phone call.
- **Dialpad**: Display a dialpad to enter numbers.
- **Speaker**: Enable or disable speakerphone.
- **Mute**: Mute or unmute your voice on the call.
- **Bluetooth**: Switch the call's audio to a Bluetooth headset.

Ending a Call

- Touch

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Call Log

When you place, answer, or miss a call, a record of the call is saved in the Call log.

Accessing Call Log

- From a Home screen, touch **Phone** ➔ **Call log**.

Sending Messages using Call Log

1. From a Home screen, touch **Phone** ➔ **Call log**.
2. Touch and hold on a call record, then select **Send message** to create a new message, with the phone number entered in the **To** list.
3. Continue creating the message. For more information, see *"Creating and Sending Messages"* on page 60.

Creating or Updating Contacts Using Call Log

1. From a Home screen, touch **Phone** ➔ **Call log**.
2. Touch and hold on a call record, then select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. For more information, see *"Contacts"* on page 43.

Managing the Call Log

Deleting Call log records

1. From a Home screen, touch **Phone** ➔ **Call log**.
2. While viewing the Call log, touch **Menu** ➔ **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check appears in the check box to show marked records.
4. Touch **Delete** to delete marked records.

Filtering Call log records

1. From a Home screen, touch **Phone** → **Call log**.
2. While viewing the Call log, touch **Menu** → **View by**.
3. Select a filter type, from **All calls**, **Missed calls**, **Outgoing calls**, or **Incoming calls**.

Viewing call durations

View the length of the Last call, all Dialled calls, all Received calls, or All calls.

1. From a Home screen, touch **Phone** → **Call log**.
2. While viewing the Call log, touch **Menu** → **View call timer**.

   View call timer is sorts call details by **Last call**, **Outgoing calls**, **Incoming Calls**, **Roaming, Calls**, **All calls**, **Last Reset** and **Lifetime Calls**.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Setting up Voicemail

1. From a Home screen, touch **Phone**, then press and hold 1 to dial Voice mail.
2. Follow the automated instructions to set up your new password and record a greeting.

Checking Voicemail

1. From a Home screen, touch **Phone**, then press and hold 1 to dial Voice mail.
2. Follow the automated instructions to manage voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Section 4: Contacts and Accounts

This section explains how to manage your contacts and accounts.

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Google, a Corporate Exchange server, and social networking sites such as Facebook, Twitter, and MySpace. With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Synchronize contacts with your Facebook, Twitter, and MySpace accounts.

Note: You must register your phone with your social network site before using the phone to access the networks.

With Corporate Exchange, Google, and Facebook accounts you can synchronize Calendar events and Contacts.

Tip: For more information on setting up your email contact your service provider.

Setting Up Your Accounts

Set up and manage your synchronized accounts with the Accounts & sync setting.

For information about setting up other, non-synchronized email accounts, see *"Configuring Email Accounts"* on page 65.

Adding a Google account

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Touch **Add account** ➔ **Google.**
3. At the **Add a Google Account** screen, touch **Next** to begin, then touch an option:
   - **Create**: Follow the prompts to create a new account.
   - **Sign in**: Enter your Google **Username** and **Password**, then touch **Sign In**.
4. The phone communicates with the Google server to set up your account. When complete, your Google account appears in the **Manage accounts** area of the **Accounts & sync** screen.

Managing a Google account

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Tap your Google account to display the **Data & synchronization** screen.
3. Tap a setting to enable or disable synchronization. When enabled, a check mark appears in the check box:
   - **Sync Books**: When enabled, sychronizes your Google books downloads with your phone.
   - **Sync Contacts**: When enabled, synchronizes your Google contacts with your phone's Contacts.
   - **Sync Gmail**: When enabled, synchronizes your Gmail messages on your phone.
   - **Sync Calendar**: When enabled, synchronizes your Google calendar with your phone.

Adding a Corporate account

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Touch **Add account** ➔ **Corporate.**
3. At the **Set up email** screen, enter your **Email address** and **Password**, then touch **Next**.
4. At the **Server settings** screen, enter server settings, then touch **Next**. The phone communicates with the server to confirm your account.
5. At the **Account options** screen, select account settings, then touch **Next**.
6. At the **Set up email** screen, enter a name for the account (this name will display on screen), and enter your name to appear on outgoing messages. Touch **Done** to complete set-up.
7. Your Corporate account appears in the **Manage accounts** area of the **Accounts & sync** screen, and in the Email application.

Managing a Corporate Exchange account

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Touch your Corporate account to display these settings:
   - **Sync Contacts**: When enabled, synchronizes your Exchange contacts with your phone's Contacts.
   - **Sync Calendar**: When enabled, synchronizes your Exchange contacts with your phone.

Setting Up a Facebook account

Note: You must register your phone with Facebook before using the phone to access the site. From your Facebook account, go to Account Settings and follow the "Activate a Phone" registration instructions.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync** ➔ **Add account** ➔**Facebook**.
2. Enter your Email and Password, then touch Log in.
3. Follow the prompts to complete the set-up.

Setting Up a Twitter account

Note: You must register your phone with Twitter before using the phone to access the site. From Twitter.com Settings, follow the instructions in the Mobile area to register your phone.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync** ➔ **Add account** ➔**Twitter**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.

Setting Up a MySpace account

Note: You must register your phone with MySpace before using the phone to access the site. From the MySpace Account Settings, follow the "Mobile Activation" registration.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync** ➔ **Add account** ➔**MySpace**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.

Feeds and Updates

Feeds and Updates displays feeds from your Facebook, MySpace, and Twitter accounts, and allows you to post an update to your accounts, right from the Home screen.

Tip: The Feeds and Updates widget is available by default on the Home screen, or is available in the Samsung Widgets. For more information about placing widgets on the Home screen, see *"Widgets"* on page 25.

- From a Home screen, touch **Settings** on the Feeds and Updates widget to configure your preferences.

Note: When you set up Facebook, Myspace and Twitter accounts on your phone, your accounts automatically appear in Feeds and Updates.

Contacts

To access Contacts:

- From a Home screen, touch **Contacts**.

Creating Contacts

1. From a Home screen, touch **Contacts** → .
2. At the **Save contact to** prompt, touch an account for saving the contact (available options depend on the accounts you have set up):
   - **Phone**: Saves to the phone's Contacts.
   - **Google**: Saves to your Google account.
   - **Corporate**: Saves to your Corporate Exchange account.
3. Touch contact fields to enter information:
   - Touch **Photo ID** to choose a picture to identify the contact.
   - Touch **First name**, then enter a first name for the contact.
   - Touch **Last name**, then enter a last name for the contact. After entering a last name touch to enter a Name prefix, Middle name, Name suffix, Phonetic given name, Phonetic middle name and Phonetic family name.
   - Touch **Phone number** to enter a phone number, then touch the **Label** button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Pager**, **Assistant**, **Other**, or **Custom** to create a custom label. To add another number, touch .
   - Touch **Email address** to enter an email address, then touch the **Label** button to choose a label, from **Work**, **Home**, **Mobile**, **Other**, or **Custom** to create a custom label. To add another address, touch .
   - Touch **Instant msg** to enter an instant message address, then touch the label button to choose a label, from **Google Talk**, **AIM**, **Windows Live**, **Yahoo!**, **Skype**, **QQ**, **ICQ**, **Jabber**, or **Custom** to create a custom label. To add another IM, touch .
   - Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 49.
   - Touch **Ringtone** to choose a ringtone for the contact.

- Touch **Postal address** to enter a mailing address for the contact.
- Touch **Organization** to enter a company or other affiliation.
- To add more fields, tap More to enter **Notes**, **Nickname**, **Website**, **Birthday**, or **Anniversary**.

4. When you finish entering information, touch Save.

Creating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Call Log"* on page 38.

Creating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Touch **Add to Contacts**, then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see *"Creating Contacts"* on page 43.

Updating Contacts

Make changes to update an existing contact.

1. From a Home screen, touch **Contacts**.
2. Touch a contact to view its information, then touch **Menu** ➔ **Edit**.

   – or –

   Touch and hold on a contact, then select **Edit** from the pop-up menu.
3. Continue entering contact information. For more information, see *"Creating Contacts"* on page 43.

Updating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Touch **Add to Contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then touch **Save**, or continue entering contact information. For more information, see *"Creating Contacts"* on page 43.

Updating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Call Log"* on page 38.

Get Friends

Use the Get Friends feature to sync with your accounts. You can choose from an account you've already set up on your phone, or set up a new account.

For more information about setting up accounts on your phone, see *"Setting Up Your Accounts"* on page 40.

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** → **Get friends**.
3. Touch **Add Account**, then touch an account.
4. Touch **Menu** → **Sync now**.

Contacts Display Options

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** → **More** → **Display options** to set these options:
   - Touch **Only contacts with phones** to restrict display to contacts with phone numbers.
   - Touch **Sort by** to sort by **first** or **last** name.
   - Touch **Display contacts by** to sort contacts by **First name first** or **Last name first**.
   - Touch **Phone** to choose contacts for display by group.
3. Touch Done to save options.

Join Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate Exchange, and other email providers, plus social networking sites like Facebook, Twitter, and MySpace. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Joining imported contact records to a phone contact allows you to see all the contact's numbers and addresses together in one Contact entry. Joining also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Note: Phone contacts are always the primary contact for joining. You can join imported contacts to a Phone contact, but the Phone contact will always display; the imported contact will show as the joined contact.

Joining contacts

1. From a Home screen, touch **Contacts**.
2. Touch a Phone contact (a contact with the icon) to display its information.
3. Touch **Menu** ➔ **Join contact**.
4. Touch an imported contact record to join it to the Phone contact.

Unjoining contacts

1. From a Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Joined Contacts** field to display joined contacts.
4. Touch a contact to unjoin it from the displayed contact.

Sending Namecards

Sending a Namecard (vCard)

You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or via Gmail as an attachment.

Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From a Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Touch **Menu** ➔ **Send via**.
4. At the prompt, choose a sending method, then follow the prompts to send the namecard:
   - **Barcode Scanner**: For more information, refer to *"Barcode Scanner"* on page 94.
   - **Bluetooth**: For more information about sending via Bluetooth, see *"Bluetooth"* on page 89.
   - **Email**: For more information, refer to *"Composing and Sending Email"* on page 66.
   - **Gmail**: For more information about sending Gmail, see *"Composing and Sending Gmail"* on page 64.

Sending multiple namecards via Bluetooth

You can send multiple contact namecards as vCards via Bluetooth to other Bluetooth devices.

Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** ➔ **Import/Export** ➔ **Send name card via**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.
4. Touch **Send** ➔ **Bluetooth** and follow the prompts to send the namecards. For more information about Bluetooth, see *"Bluetooth"* on page 89.

Exporting and Importing Contacts

You can export your contact list to an optional installed memory card, or import a list of contacts (previously exported) from a memory card.

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** ➔ **Import/Export**.
3. Touch **Import from SD card** or **Export to SD card**, then follow the prompts to complete the operation.

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone Dialer, for fast dialing or messaging, and are indicated by the ★ in Contacts.

Creating Favorites

1. From a Home screen, touch **Contacts**.
2. Touch and hold on a contact, then select **Add to favorites** from the pop-up menu.

   – or –

   Touch a contact to display it, then touch the ★ **Star** at the top right of the screen.

My Profile

My profile is your own contact record. You can send My profile as a vCard via Bluetooth or as an attachment via Gmail.

Viewing My Profile

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** ➔ **My profile** to display your contact information.
3. To add information to your profile, touch **Menu** ➔ **Edit**.

   For more information, see *"Creating Contacts"* on page 43.

Sending My Profile

You can send My Profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment to a Gmail.

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** ➔ **My profile** to display your contact information.
3. Touch **Menu** ➔ **Send namecard via**.
4. Choose a sending method, **Barcode Scanner**, **Bluetooth**, **Email** or **Gmail**, then follow the prompts to send the profile.

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members.

Accessing Groups

- From a Home screen, touch **Contacts** ➔ **Groups**.

Creating a New Group

1. From a Home screen, touch **Contacts** ➔ **Groups**.
2. Touch **Menu** ➔ **Create**.
3. Touch the **Group Name** field to enter a Group Name.
4. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default ringtone**, **Sound** or **Phone ringtone** to select a new ringtone.
5. Touch Save to save the new group.

Editing a Group

1. From a Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Edit group**.
4. Touch the **Group Name** field to change the Group Name.
5. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default ringtone**, **Sound** or **Phone ringtone** to select a new ringtone.
6. Touch Save to save the changes.

Deleting a Group

1. From a Home screen, touch **Contacts** ➔ **Groups**.
2. Touch **Menu** ➔ **Delete**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box.
4. Touch Delete to delete the group(s).
5. Choose **Group only** or **Group and group members**.

Adding Contacts to a Group

Tip: You can also add a contact to a group when you create the contact. For more information, see *"Creating Contacts"* on page 43.

1. From a Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it, then touch .
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch Add to add the selected contact(s).

Removing Contacts from a Group

Tip: You can also add a contact to a group when you edit the contact. For more information, see *"Updating Contacts"* on page 44.

1. From a Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu** ➔ **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch Remove to remove the selected contact(s).

Sending a Message to Group Members

1. From a Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu** ➔ **Send Message**.
4. Touch contacts to mark them as recipients for the new message, then touch Send.
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 60.

History

History displays all calls, messages, emails, IMs, and Facebook, MySpace and Twitter messages sent and received from contacts.

1. From a Home screen, touch **Contacts** ➔ **History**.
2. A list of calls, messages and emails displays, sorted by time, with most recent first.
3. Touch **Menu** for these options:
   - **Delete**: Erase history records.
   - **View by**: Filter records by type. Choose from **Call**, **Message**, **Facebook**, **MySpace**, or **Twitter**.

Activities

Use Activities to view updates to Contacts from your social networking accounts, such as Facebook, Twitter or MySpace.

Note: If you haven't updated Contacts from any accounts, the Activities tab will be blank.

▶ From a Home screen, touch **Contacts** ➔ **Activities**.

Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

Note: Some Speed Dials are reserved by default, and cannot be assigned:
Speed Dial 1 is reserved for Voicemail.
Speed Dial 97 is reserved for balance inquiries.
Speed Dial 98 is reserved for minutes inquiries.
Speed Dial 99 is reserved for payment inquiries.
Speed Dial 100 is reserved for data call inquiries.

Assigning Speed Dials

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** ➔ **More** ➔ **Speed dial**.
3. A list of speed dials displays.Touch a speed dial, then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From a Home screen, touch **Contacts**.
2. Touch **Menu** ➔ **More** ➔ **Speed dial**.
3. Touch **Menu**, then touch an option:
   - **Change order**: Touch and hold a speed dial, then drag it to a new location in the list.
   - **Remove**: Touch a speed dial to remove it.

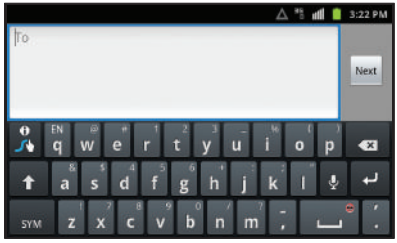
Section 5: Entering Text

This section describes how to enter words, letters, punctuation and numbers when you need to enter text.

Virtual QWERTY Keyboard

Your phone uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

The virtual QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the phone, the screen orientation updates to display the keyboard at the bottom of the screen.



Swype Keyboard

Text Input Methods

Your phone offers two text input methods:

- **Swype**: Swype is a new text input method that allows you to enter words by gliding your finger over the virtual QWERTY keyboard, lifting your finger between words. You can also enable Word prediction, which matches your key touches to common words.
- **Samsung Keyboard**: An on-screen QWERTY keypad that can be used in both portrait and landscape orientation. You can also configure the Samsung keypad to use the QWERTY Keypad, or a 3x4 Keypad (uses XT9 predictive text).
- **Android Keyboard**: The Android Keyboard is a virtual QWERTY keyboard that allows you to enter text by touching keys on the screen. Android Keyboard includes predictive text, which matches your key touches to common words so that you can select the word to enter it into your text.

Changing the Input Method

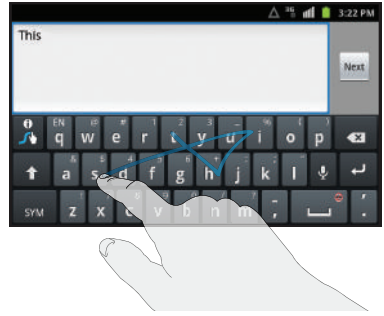
When entering text, you can select the text input method.

- ▶ Touch and hold on a text input field, then select an input method:
  - **Swype**
  - **Samsung keypad**
  - **Android keyboard**

Entering Text Using Swype

Swype is a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

This example shows how to enter the word “this”. Put your finger down on the “t”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



Here are a few tips to get you started:

- **Spacing is automatic**: When you finish a word, just lift your finger and start the next word.
- **Double letters**: Just "scribble" on the key.
- **Capitalization**: Swype recognizes and capitalizes the first word of sentences. If you want to capitalize a word that isn't at the beginning of a sentence, just glide above the keyboard before gliding over the next letter.
- **Contractions**: Swype recognizes most words that include an apostrophe; just swype the letters of the word, including the apostrophe.
- **Punctuation**: Tap and hold a key to view a punctuation menu and make a selection.
- **Accented characters**: Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.
- **Error correction**: If you make a mistake, double-tap on the word you want to change.

Configuring Swype

Configure Swype to your preferences.

- For more information, see *"Swype"* on page 129.
- While entering text, touch the **Swype Key** → **Options**.

Tip: To customize predictive text, configure the User dictionary settings. For more information, see *"User dictionary"* on page 129.

Swype Help

While entering text, you can get tips and help about using Swype.

- Tap the **Swype Key** to show **Tips**.
- Tap the **Swype Key** → **Tutorial** for an interactive tutorial.
- Tap the **Swype Key** → **More Help** to view Help.

Entering Symbols and Numbers

Using the Swype Keyboard:

- Touch and hold on a key to enter the symbol or number at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.
- Touch SYM to switch to Symbol mode, then touch a key.
- Touch SYM → **Shift**, then touch the corresponding key.

Using the Numeric Keyboard

Switch to a Numeric Keyboard, to quickly enter numbers and mathematical operators:

▶ Touch and hold 123 ABC.

From the Numeric Keyboard, you can switch to a Numeric Keyboard:

▶ Touch and hold 123 ABC.

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste highlighted text.

To access the Editing Keyboard:

- Swype from the **Swype Key** to the **SYM Key**.

Using Swype Speech Recognition

Enter text by speaking. Swype recognizes your speech and enters text for you.

To use Speech recognition:

- Touch the **Speech Recognition Key**.

  At the **Speak now** prompt, speak the text you want to enter.

Entering Text Using the Samsung Keyboard

This device has a built-in, QWERTY keypad (portrait mode) or keyboard (landscape mode). Using the QWERTY keypad/ keyboard, you can type letter, numbers, punctuation, and other characters.

The Samsung keyboard is the default setting on the phone.

To use the Samsung keypad you must first configure the settings for the Samsung keypad.

1. From a Home screen, touch **Menu** → **Settings** → **Language & keyboard** → **Samsung keypad** → **Portrait keypad types**.
2. Touch **Keypad types** and select a text input method:
   - Qwerty Keypad
   - 3x4 Keypad
   - Handwriting box 1
   - Handwriting box 2
3. Touch **Input languages** and touch one of the language types.
4. Touch **XT9** to use XT9 Predictive text method. For more information refer to the XT9 Advanced Settings.
5. Touch the **Keypad sweeping** field if you want to sweep the keypad and change from ABC to ?123 mode.
6. Touch the **Auto-capitalization** field to automatically capitalize the first letter of a sentence.

7. Touch the **Handwriting settings** field and select the speed of response of the Samsung Handwriting keypad. You can also access an explanation of Handwriting keypad use.
8. Touch the **Voice input** field to activate Voice input.
9. Touch the **Auto-full stop** field to activate Auto-full stop.
10. Touch the **Tutorial** field to view a short tutorial on use of the Samsung keyboard.

XT9 Advanced Settings

The following XT9 Advanced settings are available when the XT9 field is selected.

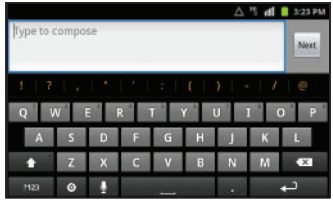
1. Touch the **XT9** field to select XT9 (predictive text) mode, then touch **XT9 advanced settings**.
2. Touch the **Word completion** field to enable word completion. Your phone predicts how to complete the word typed.
3. Touch the **Word completion point** field then touch **2 letters**, **3 letters**, **4 letters**, or the **5 letters** radio button. Word completion begins after 2 or more (depending on your selection).
4. Touch the **Spell correction** field. This option corrects typographical errors by selecting from a list of possible words that reflect the characters of the keys you touched as well as the characters of nearby keys.
5. Touch the **Next word prediction** field to enable word prediction.
6. Touch the **Auto-append** field to automatically add predictions.
7. Touch the **Auto-substitution** field to automatically replace words that you are typing. This option assists with correcting misspelled words.
8. Touch the **Regional correction** field. This option sets the device to automatically correct mistyped words according to normal spelling for your region.
9. Touch the **Recapture** field. This option sets the device to re-display the word suggestion list when you select the wrong word from the list.

10. To add a new word to the T9 dictionary:
    Touch the **XT9 my words** field, then press **Menu** ➔ **Add**. Enter the new word in the Register to XT9 my words field, then touch **Done**.
11. Touch **XT9 auto-substitution** to add words to substitute (for example youve becomes you've). A list of substitutions displays.
12. If you do not see the substitution you want, press **Menu** ➔ **Add**, then input the Shortcut word and Substitution word.
13. Touch **Done**.

Entering Text Using the Android Keyboard

The Android Keyboard is a custom virtual QWERTY keyboard, featuring predictive text. Input characters by tapping the on-screen keys with your finger, or use speech recognition.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.



Configuring Android Keyboard

Configure the Android Keyboard to your preferences.

- For more information, see *"Android keyboard"* on page 130.
- While entering text, touch and hold ?123 or ALT, then touch **Android keyboard settings**.

Tip: To customize predictive text, configure the User dictionary settings. For more information, see *"User dictionary"* on page 129.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching the Shift key to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

Entering Symbols and Numbers

To enter common symbols, touch ?123 to switch to symbol mode, then touch the corresponding key.

To enter less-common symbols, touch ?123 ➔ ALT, then touch the corresponding key.

Enter numbers by touching ?123, then touching the number keys.

Using Android Speech Recognition

Enter text by speaking. Android Keyboard recognizes your speech and enters text for you.

Note: Enable Speech Recognition in Android Keyboard settings. For more information, see *"Android keyboard"* on page 130.

▶ Touch the **Speech Recognition Key**.

Section 6: Messaging

This section describes how to send and receive messages, and other features associated with messaging.

Types of Messages

Your phone supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures and/or sound to other mobile phones or email addresses (also known as MMS).
- **Mobile IMs**: Exchange Instant Messages to users of popular messaging sites.
- **Email**: Send and receive email from your email accounts, including Corporate Exchange mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Google Talk**: Chat with other Google Talk users.

Note: Messaging service availability depends on your network and service plan. Multimedia Messaging charges apply per your Calling Plan. Monthly plans are available. Higher rates apply for International Multimedia Messaging (when available). Compatible Device required.

Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages to other mobile phones and to email addresses.

Creating and Sending Messages

1. From a Home screen, touch **Messaging → New message**.
2. Tap the **To** field and enter the recipient's name, phone number or email address.

Note: As you enter a name, phone number or email address, matching contacts appear on the screen. Touch a contact to add it to the list, or continue entering characters.

Tip: If you are creating a message with the phone in portrait mode, touch **Recent** to choose a recent recipient, **Contacts** to select contacts, or **Group** to choose a group for the To list.

3. Touch the **Type to compose** field, or touch **Next**, and compose your message. While composing a message, touch **Menu** for these options:
   - **Add subject**: Add a subject field to the message and enter a subject. (This option also converts the message to MMS.)
   - **Attach**: Add content to the message to convert it to MMS.
     - **Pictures**: Add a picture.
     - **Capture picture**: Take a new picture.
     - **Videos**: Add a video.
     - **Capture video**: Record a new video.
     - **Audio**: Add a sound clip.
     - **Record audio**: Create a new audio clip.
     - **Slideshow**: Add a slideshow of pictures to this message.
   - **Add text**: Select text from Contacts, Calendar, or Memo to add to the message.
   - **Insert smiley**: Add a text emoticon to the message.
   - **Discard**: Discard the message.
4. Touch Send to send the message.

Managing Messages

Threaded View

Messages you send and receive to the same contact, number or address are grouped together as a "thread". Threaded messages allow you to see all the messages you exchanged with a contact, or other recipient, with the latest message displayed first.

1. From a Home screen, touch **Messaging**.
2. Message threads display by contact, number, or address. While viewing message threads, you have these options:
   - Touch and hold a thread to choose from:
     - **View Contact / Add to contacts**: View the contact record, or save the sender/recipient's information as a new contact, or to update an existing contact.
     - **Delete thread**: Erase the entire message thread.
   - Touch **Menu** for these options:
     - **Compose**: Create a new message.
     - **Delete threads**: Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads for erasure.
     - **Search**: Enter characters to search messages and recipient lists.
     - **Settings**: Configure message settings.

Message Settings

Configure message settings.

1. From a Home screen, touch **Messaging**.
2. Touch **Menu** ➔ **Settings** to set:
   - **Storage settings**
     - **Delete old messages**: Touch to enable or disable automatic erasure of messages when stored message reach default limits. When disabled, the phone will prompt you to delete old messages to make room.
     - **Text message limit**: Touch to set a limit for the number of text messages per thread.
     - **Multimedia message limit**: Touch to set a limit for the number of multimedia messages per thread.
   - **Text Message (SMS) settings**
     - **Delivery reports**: Request report of delivery date and time for all messages sent.
   - **Multimedia message (MMS) settings**
     - **Delivery reports**: Request report of delivery date and time for all messages sent.
     - **Auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages. When enabled, MMS messages download automatically. When disabled, the phone prompts to download new MMS messages.
     - **Roaming auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages when in Roaming mode. When enabled, MMS messages download and display automatically. When disabled, the phone prompts you to download new MMS messages.
   - **Notification settings**
     - **Notifications**: Touch to enable or disable alerts in the status bar.
     - **Screen On**: Touch to enable screen on for notification alerts.
     - **Select ringtone**: Touch to select a ringtone for message alerts.
     - **Vibrate**: Touch to enable or disable vibration for message alerts.

Gmail

Send and receive emails via Gmail, Google's web-based email.

▶ From a Home screen, touch **Applications** ➔ **Gmail**.

Setting Up Your Gmail Account

The first time you launch Gmail, your phone will prompt you to set up your Google account.

Note: You can use more than one Google account on your phone. To add another account, use the **Menu** ➔ **Accounts** option.

1. From a Home screen, touch **Applications** ➔ **Gmail**.
2. At the **Set up your Google Account** screen, touch **Next** to begin, then touch an option:
   - **Create**: Follow the prompts to create a new account.
   - **Sign in**: Enter your Google **Username** and **Password**, then touch **Sign In**.

3. The phone communicates with the Google server to set up your account and synchronize your email. When complete, your Gmail appears in the Inbox.

Refreshing Your Gmail Account

Refresh your account to update your phone from the Gmail servers.

1. From a Home screen, touch **Applications** → **Gmail**.
2. Touch **Menu** → **Refresh**.

Gmail account settings

Use settings to customize your Gmail.

1. From a Home screen, touch **Applications** → **Gmail** → **Menu** → **More** → **Settings.**

General preferences

- **Message Actions**: Allows you to select how messages are displayed on your device.
- **Clear search history**: Remove previous searches you have performed.
- **Clear "Show pictures"**: Restore default for all senders (don't show pictures automatically).

Account settings

- **<Your Email Address>**: Customize your Gmail account.
  - **Priority Inbox**: When active, Priority Inbox automatically identifies your important email and separates it out from everything else.
  - **Signature**: Create a text signature to add to outgoing messages.
  - **Confirm actions**: Have your phone prompt you to confirm archivals,deletions, and messages sent.
  - **Reply all**: When active, responding messages are sent to alladdressees by default.
  - **Auto-advance**: Choose whether to show a Newer or Older conversation or a Conversation list after you delete or archive a conversation.
  - **Message text size**: Choose Tiny, Small, Normal, Large, or Huge text for your messages.
  - **Batch operations**: Allow changes to labels on more than one conversation.
  - **Sync inboxes and labels**: Choose which labels are synchronized.
  - **Email notifications**: When enabled, notifications for new email appears in the Notifications Panel.
  - **Labels to notify**: Choose notification preferences for synced labels.
- **Add account**: Add additonal Gmail accounts.

Additional Gmail Options

1. From a Home screen, touch **Applications** ➔ **Gmail** ➔ **Menu** for additional options:
   - **Refresh**: Update Gmail on your phone from the Google servers.
   - **Compose**: Create a new email. For more information, refer to *"Composing and Sending Gmail"* on page 64.
   - **Accounts**: View and choose from your Google account(s).
   - **Go to labels**: View Google content by label.
   - **Search**: Find Gmail items.
   - **More**
     - **Help**: Launches Browser with Google Mobile Help.
     - **About**: Shows Gmail version installed on your phone.

Composing and Sending Gmail

1. From a Home screen, touch **Applications** ➔ **Gmail**.
2. Touch **Menu** ➔ **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch **Compose Mail** to enter the text of your email.
6. While composing a message, touch **Menu** for these options:
   - **Send**: Send the message.
   - **Save draft**: Save a copy of the message in Drafts.
   - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
   - **Attach**: Launch Gallery to select a picture to add to the message.
   - **Discard**: Close the message without saving.
   - **Help**: Get Help with using Gmail.
7. Touch to send the message.

Google Talk

Chat with other Google Talk users.

Tip: Talk requires that you have a Google account set up on your phone. For more information, see *"Setting Up Your Accounts"* on page 40.

- From a Home screen, touch **Applications** ➔ **Talk**.

Note: If you have already set up your Google account, you are automatically logged in. If you do not have a Google account, you can touch **Create** to create a new Google account.

Email

Send and receive email using popular email services.

Note: Only some paid "Plus" accounts include POP access to allow this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid "Plus" account. Please launch the Web browser to access your account.

Configuring Email Accounts

You can configure Email for most accounts in just a few steps.

Configuring the first email account

1. From a Home screen, touch **Applications** ➔ **Email**.
2. Touch an email provider.
3. Touch **Email address** to enter your email address, then touch **Password** or touch **Next** to enter your password.
4. Touch a setup option:
   - **Manual setup**: Configure the account manually. Touch **POP3** or **IMAP**, then enter the account details.
   - **Next**: Connect to the server to set up the account automatically. Follow the prompts to complete set-up, then touch **Done**.

Tip: For more information on setting up your email contact your service provider.

Configuring additional email accounts

1. From a Home screen, touch **Applications** ➔ **Email**.
2. Touch **Menu** ➔ **Accounts**.
3. Touch **Menu** ➔ **Add account**.
4. Touch the **Email address** field to enter your email address.

5. Touch the **Password** field or touch **Next** to enter your password.
6. Touch a setup option:
   - **Manual setup**: Configure the account manually. Touch **POP3** or **IMAP**, then enter the account details.
   - **Next**: Connect to the server to set up the account automatically. Follow the prompts to complete set-up, then touch **Done**.

Composing and Sending Email

1. From a Home screen, touch **Applications** ➔ **Email**.
2. Touch **Menu** ➔ **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch the text field to enter the text of your email.
6. While composing a message, touch **Menu** for these options:
   - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
   - **Save as draft**: Close the message and save it in Drafts.
   - **Add text**: Add text from a Contact record, from the Calendar, or from a Memo.
7. Touch **Attach** to add a file to the message.
8. Touch **Send** to send the message.

Managing Emails

Combined Inbox

Emails you receive to all accounts are presented in the combined Inbox, or you can view email accounts individually.

1. Touch **Menu** ➔ **Accounts**.
2. Touch an account, or touch the **Combined Inbox**.

Refreshing Your Email Account

Refresh your account to update your phone from the servers.

1. From a Home screen, touch **Applications** ➔ **Email**.
2. Touch **Menu** ➔ **Refresh**.

Email Account Settings

Use Account settings to configure handling of your email.

Note: Some email accounts may have different, or additional, settings.

1. From a Home screen, touch **Applications** → **Email**.
2. Touch an account to view it, then touch **Menu** → **More** → **Account settings**.
3. Touch fields to configure the account:
   - **General settings**
     - **Account name**: Enter a name for the account's display.
     - **Your name**: Enter your name, to be used on emails.
     - **Email check frequency**: Touch an email check time interval.
     - **Default account**: When enabled, this account is the default account for sending email from your phone.
     - **Always Cc/Bcc myself**: Select to include your email address in Cc/Bcc line.
   - **Exchange Sync settings**
     - **Amount to synchronize**: Set the days or month for email synchronization.
     - **Empty Server Trash**: Allows you to delete the contents of the trash folder on the server.
     - **Sync schedule**: Set synchronization frequency and parameters.
     - **Out-of-office Settings**: Enter and out of office message.
     - **Size to retrieve emails**: Set email retrieval size.
     - **Security Policies**: View email policies sent by server.
   - **Notification settings**
     - **Email notifications**: Enable or disable alerts in the Status Bar.
     - **Select ringtone**: Choose a ringtone to use for new email alerts.
     - **Vibrate**: Enable or disable vibration with new email alerts.
   - **Server settings**:
     - **Exchange server settings**: Modify server settings.
     - **Incoming settings**: Modify incoming email server settings.
     - **Outgoing settings**: Modify outgoing email server settings.
     - **Sync Email**: Sync email from the account.
     - **Sync contacts**: Sync contacts from the account.
     - **Sync calendar**: Sync calendar events from the account.
   - **Signature settings**
     - **Add Signature**: Touch if you would like a signature to display on outgoing messages.
     - **Signature**: Create a signature that will display on outgoing messages when Add Signature option checked.
   - **Common settings**
     - **Forward with files**: Ha
     - **Confirm Email Delete**: Have your phone prompt you to confirm selected actions, such as deletions.

YouTube

View and upload YouTube videos, right from your phone.

▶ From a Home screen, touch **Applications** → **YouTube**.

Browser (Google)

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

▶ From a Home screen, touch **Browser**.

Navigating the web

Command Keys

- Touch **Back** to return to the previous page.
- Touch and hold **Back** to display a list of recent pages.
- To go forward, touch **Menu** → **Forward**.

Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

- While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

Zoom

- Tap the screen twice to zoom in or out.

Selecting items on a page

While browsing pages, use gestures and menus to navigate links on pages:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for these options:
  - **Open**: Go to the linked page.
  - **Open in new window**: Open a new window to display the linked page.
  - **Bookmark link**: Add a bookmark to linked page (without loading it).
  - **Save link**: Save the linked page to Download history.
  - **Share link**: Send the link via Bluetooth, Email, Gmail, or Message.
  - **Copy link URL**: Save the link's URL to the clipboard.

Entering a URL

Access a website quickly by entering the URL.

1. From a Home screen, touch **Browser**.
2. Touch the **URL** field at the top of the screen, then enter the URL using the virtual QWERTY keyboard.

3. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL.
4. Touch **Go** to load the page.

Using Browser Windows

You can have up to eight windows open at one time, switching between windows.

1. From a Home screen, touch **Browser**.
2. To open a new window, touch **Menu** → **New window**.
3. To switch to another open window, touch **Menu** → **Windows**. Touch a window to display it.
4. To close a window, touch **Menu** → **Windows**. Touch **Close** beside a window to close it.

Using Bookmarks

While browsing, bookmark a site to quickly access it later.

Creating a bookmark

1. From a Home screen, touch **Browser**.
2. Browse to the desired website, then touch **Bookmarks** next to the **URL** field.
3. The new website is displayed as a thumbnail with the command **Add**. Touch the bookmark to add it.
4. At the **Add bookmark** prompt, confirm the Name and Location for the bookmark, then touch **OK** to save the bookmark.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. From a Home screen, touch **Browser**.
2. Touch **Bookmarks**.
3. On the **Bookmarks** tab, use these options:
   - Touch a bookmark to load the page.
   - Touch and hold on a bookmark for these options:
     - **Open**: Launch the bookmarked page.
     - **Open in new window**: Open the linked page in a new window.
     - **Edit bookmark**: Modify the URL.
     - **Add shortcut to Home**: Create a bookmark on the Home screen.
     - **Share link**: Send the link via Bluetooth, Gmail, or Messaging.
     - **Copy link URL**: Save the link's URL to the clipboard.
     - **Delete bookmark**: Remove the bookmark.
     - **Set as homepage**: Assign the bookmarked link as the home page.
   - Touch **Menu** → **List view** to view bookmarks as a list.

4. On the **Most visited** tab, use these options:
   - Touch a page to reload it.
   - Touch the star next to a page to bookmark it.
   - Touch and hold on a page for these options:
     - **Open**: Launch the web page.
     - **Open in new window**: Launch the web page in a new window.
     - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
     - **Share link**: Send the page's URL via Bluetooth, Gmail, or Messaging.
     - **Copy link URL**: Copy the page's URL to the clipboard for pasting.
     - **Remove from history**: Remove the record of this page.
     - **Set as homepage**: Set this page as the default first page when opening the Browser.
5. On the **History** tab, use these options:
   - Touch a page to load it.
   - Touch the star next to a page to bookmark it.
   - To clear the history, touch **Menu** → **Clear history**.
   - Touch and hold on a page for these options:
     - **Open**: Launch the web page.
     - **Open in new window**: Launch the web page in a new window.
     - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
     - **Share link**: Send the page's URL via Bluetooth, Gmail, or Messaging.
     - **Copy link URL**: Copy the page's URL to the clipboard to paste in another location.
     - **Remove from history**: Remove the record of this page.
     - **Set as homepage**: Set this page as the default first page when opening the Browser.

Copying Fields or Text

Copy information from a web page to the clipboard for pasting.

Copying text

1. From a Home screen, touch **Browser**.
2. Browse to the desired website.
3. Touch and hold on the text to enable the text selector.
4. Touch and drag the text selector to select text, then use the on-screen tools to copy the text to the clipboard, search or translate the text, or share the text.

Copying a hyperlink or URL

1. From a Home screen, touch **Browser**.
2. Browse to the desired website.
3. Touch and hold on the URL in the URL field, then choose an option from the pop-up menu:
   - **Share page**: Send the link via Bluetooth, Gmail, or Messaging.
   - **Copy URL**: Save the link's URL to the clipboard.

Browser Menu

While viewing a web page, touch **Menu** for these options:

- **New window**: Open a new browser window. Previous browser windows remain open in the background (use the Windows option to switch between windows).
- **Windows**: Switch between windows, or open a new window.
- **Brightness setting**: Set the brightness of the display, if the Brightness setting is not set to Automatic.
- **Refresh**: Update the current page's content from the server.
- **Forward**: Move forward to a previously-viewed page.
- **More**:
  - **Add bookmark**: Create a bookmark for the current page.
  - **Add shortcut to Home**: Place a shortcut to the current page on the current Home screen.
  - **Add RSS feeds**: Subscribe to RSS feeds available from the site.
  - **Find on page**: Search for content on the current page.
  - **Page info**: View information about the current page, including the URL.
  - **Share page**: Send the current page's URL via Bluetooth, Gmail, or Messaging.
  - **Downloads**: View a list of downloads.
  - **Settings**: Customize the Browser (see Browser Settings).

Browser Settings

1. From a Home screen, touch **Browser**.
2. Touch **Menu** → **More** → **Settings**:
   - **Page content settings**
     - **Default zoom**: Choose a default zoom level for web pages.
     - **Open pages in overview**: When enabled, displays an overview of newly-opened pages.
     - **Text encoding**: Choose a default character set for web pages.
     - **Block pop-up windows**: When enabled, blocks pop-up windows.
     - **Load images**: When enabled, images are automatically loaded when you visit a page. When disabled, images are indicated by a link, which you can touch to download the picture.
     - **Auto-fit pages**: When enabled, the browser automatically sizes web pages to fit your phone's display.
     - **Landscape view only**: When enabled, Browser displays all pages in the wider landscape orientation (rotate your phone counterclockwise to view pages in landscape mode).
     - **Enable JavaScript**: When enabled, Browser will automatically run JavaScript scripts on pages you visit.
     - **Enable plug-ins**: When enabled, Browser will automatically load and run plug-ins on pages you visit.
     - **Open in background**: When enabled, new windows open behind the current window.
     - **Set home page**: View and set the default first page that displays when you launch Browser.

– **Default storage**: Set your default storage location.

- **Privacy settings**
  - **Clear cache**: Delete content and databases stored on the phone.
  - **Clear history**: Delete the list of previously-visited pages.
  - **Accept cookies**: When enabled, allows Browser to save and read cookie information used by web pages.
  - **Clear all cookie data**: Delete cookie information saved to the phone.
  - **Remember form data**: When enabled, stores information you enter into forms to make future forms easier.
  - **Clear form data**: Deletes saved form information.
  - **Enable location**: When enabled, sites you visit can request access to your location.
  - **Clear location access**: Clear location access for all web sites.
- **Security settings**
  - **Remember passwords**: When enabled, saves usernames and passwords for sites you visit, to make future visits easier.
  - **Clear passwords**: Clear all saved usernames and passwords.
  - **Show security warnings**: When enabled, Browser will warn you if there is a problem with a site's security.
- **Advanced settings**
  - **Set search engine**: Select a search engine.
  - **Website settings**: View and manage settings for individual websites.
  - **Reset to default**: Clear all browser data and reset all settings to the factory defaults.
  - **Select Mode**: Touch a display mode.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 121.

▶ From a Home screen, scroll the screen to panel 3, then touch **Maps**.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Touch Zoom in or Zoom out.

Scrolling

- **Touch and drag** on the screen to reposition the map in the display.

Touch

- **Touch and hold** on an area of the map to display pop-up information about the location.The location to display the following:
  - **What's nearby**: Display nearby points of interest.
  - **Search nearby**: Enter search criteria to find nearby points of interest.
  - **Share this place**: Allows you to share this information by sending through Messaging, send to a Bluetooth device or Gmail.
  - **Report a problem with the map**: Send an error report to Google Maps.

Maps Menu

1. From a Home screen, touch **Applications** → **Maps**.
2. While viewing a map, touch **Menu** for these options:
   - **Search**: Enter text criteria to find locations or points of interest.
   - **Directions**: Get driving, public transport, or walking directions.
   - **My Places**: Synchronize your starred map items with Google maps.
   - **Clear map**: Remove search results from the map.
   - **Join Latitude**: Use the Google Latitude service to share locations and status with other Google Latitude users.
   - **More**:
     - **Labs**: Access experimental features.
     - **Cache Settings**: Define your cache settings.
     - **Sign In**: Use your google account information to sign-in.
     - **Help**: Display a searchable Google Mobile Help screen.
     - **Terms, Privacy & Notices**: Display legal information.
     - **About**: Displays information about Google Maps.

Amazon MP3

Amazon MP3 is a digital music store owned and operated by Amazon.com. Using Amazon MP3 you can download DRM-Free (digital rights management) MP3 formatted songs and albums.

1. From a Home screen, touch **Applications** → **Amazon MP3**.
2. Touch one of the categories to begin browsing the music files.
3. Follow the on-screen instructions to download music.

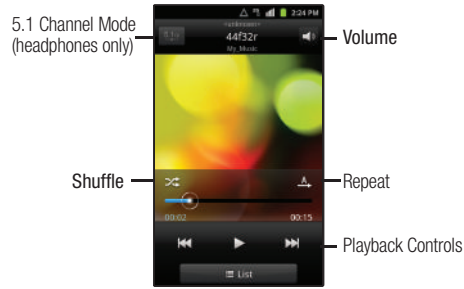
Note: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

Music Player

Music Player plays songs from an optional installed memory card.

Playing Music

1. From a Home screen, touch **Applications** → **Music Player**.
2. Music Player scans your memory card and displays your songs on the **All**, **Playlists**, **Albums**, **Artists**, or **Genres** tabs.
3. Touch a song or playlist to begin playback.



4. During playback, use the sound and playlist controls:
   - **Volume**: Touch to activate on-screen volume control, then touch and drag on the scale to set volume. You can also press the Volume Key on the side of the phone to adjust playback volume.
   - **Shuffle**: When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.

- **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.
- **List / Now Playing**: Touch **List** to switch to a list view of songs. Touch **Now Playing** to display the current song title and details.
- **5.1 Channel Mode**: When listening with optional headphones, touch to enable 5.1 Channel Mode for stereo sound.
- **Playback controls**:
  - Touch ▶▶| to advance to the next song. Touch and hold ▶▶| to scan forward through the current song.
  - Touch |◀◀ to go back to the previous song. Touch and hold |◀◀ to scan backward through the current song.
  - Touch ❚❚ to pause playback. Touch ▶ to resume playback.

Tip: When you're playing music in the background, playback controls are available in the Notification Panel. For more information, see *"Notification Panel"* on page 20.

Disc view

When you rotate the phone, you can choose Disc view to view disc artwork during playback, and control playback.

1. To switch to Disc view, touch **Menu** → **Go to Disc view**.
2. In Disc view, you can use these controls:
   - Slide your finger across the screen to scroll through songs.
   - Touch a disc to play the song.
   - Touch ❚❚ to pause playback. Touch ▶ to resume playback.
   - Touch the arrow at the top of the screen to switch to Organizer view.
   - Touch **Back** to return to the default Music Player screen.

Organizer view

From Disc view, switch to Organizer view to view and select songs alphabetically, sorted by Playlist, Album, Artist, or Genre.

1. To go to Organizer view, touch **Menu** ➔ **Go to Disc view**, then touch the arrow at the top of the screen.
2. In Organizer view, you can use these controls:
   - By default, Organizer view displays all songs. Touch **All** at the top left corner to choose songs by **Playlists**, **Albums**, **Artists**, or **Genres**.
   - Slide your finger around the dial to scroll through songs.
   - Touch a song in the center of the dial to play the song.
   - Touch ❚❚ to pause playback. Touch ▶ to resume playback.
   - Touch the double arrow in the dial to switch to Disc view.
   - Touch **Back** to return to the default Music Player screen.

Creating a Playlist

1. From a Home screen, touch **Applications** ➔ **Music Player** ➔ **Playlists**.
2. Touch **Menu** ➔ **Create**, then touch the name field to enter a name for the playlist.
3. Touch **Save** to save the new playlist.

Adding Songs to Playlists

Adding a single song to a playlist

1. From a Home screen, touch **Applications** ➔ **Music Player**.
2. Touch and hold on a song, then choose **Add to playlist** from the pop-up menu.
3. Choose one of these options:
   - Touch a playlist to add the selected song to the playlist.
   - Touch **Create playlist** to create a new playlist and add the selected song to it.

Adding multiple songs to a playlist

1. From a Home screen, touch **Applications** → **Music Player**.
2. Touch **Menu** → **Add to playlist**.
3. Touch songs to select them, or touch **Select all**. When selected, a checkmark appears in the checkbox.
4. Touch **Add** , then select a playlist, or touch **Create playlist** to create a new playlist.

Setting a Song as a Ringtone

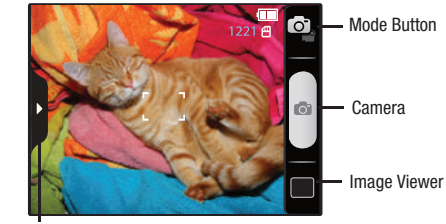
You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

1. From a Home screen, touch **Applications** → **Music Player**.
2. Touch and hold on a song, then touch **Set as** and choose from these options:
   - **Voice call ringtone**: Set the song as the default ringtone for all incoming voice calls.
   - **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.
   - **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

Camera

Use your phone's built-in Camera to take pictures and record video.

▶ From a Home screen, touch **Applications** ➔ **Camera**.



Important!: Do not take take photos of people without their permission. Do not take photos in places where cameras are not allowed. Do not take photos in places where you may interfere with another person's privacy.

Taking Pictures

1. From a Home screen, touch **Applications** ➔ **Camera**.
2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
   - Touch the screen to focus on the area you touched.
   - Press the **Volume Key** to zoom in or out.
   - To configure settings, see *"Camera Options"* on page 79.
3. To take the picture, touch the **Camera** button.
4. After taking a picture, touch **Image Viewer** to view the picture. While viewing the picture, use these options:
   - Touch the zoom icons to zoom incrementally, or double-tap on the picture to zoom all the way in or out.
   - Touch **Share** to send the picture via **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Messaging** or **Picasa**.
   - Touch **Set as** to assign the picture as a contact icon, or as wallpaper.
   - Touch **Delete** to erase the picture.
   - Touch **Back** to return to the Camera to take more pictures.

Camera Options

Configure the camera.

▶ While in Camera mode, touch the **Options** tab to configure:

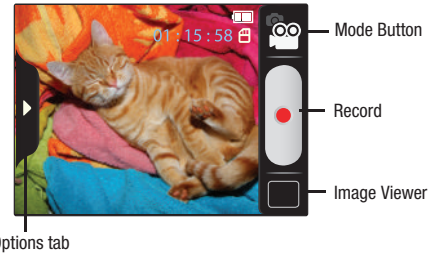
- **Shooting mode**: Choose an automatic shooting mode, from:
  - **Single shot**: Take a single photo.
  - **Smile shot**: Touch the Camera button to automatically focus on the subject's face and take the picture.
  - **Panorama shot**: Touch the Camera button to take a picture, then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
  - **Beauty**: Adjust the contrast to smooth facial features.
  - **Continuous**: Touch and hold the Camera button to take 9 consecutive pictures.
  - **Vintage**: Add a vintage effect to photos.
  - **Add me**: Take one picture, then use the on-screen guideline to compose and take a second picture, to combine into one.
  - **Cartoon**: Apply a cartoon effect to pictures.
  - **Action shot**: Detects action to automatically take multiple pictures to create a panorama.
- **Flash**: Choose Off, On, or Auto flash.
- **Exposure value**: Choose a value to set the brightness of the picture.
- **Timer**: Set a delay before taking a picture.
- **Settings** → **Camera**
  - **Outdoor visibilit**y: Enable to enhance screen visibility.
  - **Focus mode**: Choose a type of automatic focus.
  - **Scene mode**: Choose a mode to match conditions.
  - **Resolution**: Choose a size for the image.
  - **White balance**: Choose a setting for the light source.
  - **Effects**: Apply an effect to pictures.
  - **ISO**: Choose a setting for imaging sensitivity.
  - **Metering**: Select a method for measuring light.
  - **Anti-Shake**: Enable Anti-Shake to minimize camera.
  - **Auto contrast**: Allow automatic light/dark adjustment.
  - **Blink detection**: Detect a subject's blinks and adjust the timing of the picture capture to avoid closed eyes in the shot.
  - **Image quality**: Choose a quality setting for photos.
  - **Adjust**: Set Contrast, Saturation, and Sharpness.

- **Settings** ➔ **Settings**
  - **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.
  - **Review**: Enable or disable the instant review feature, to display images immediately after capture.
  - **GPS tag**: Save location information with a photo.
  - **Shutter sound**: Select a tone to play when the camera's shutter opens and closes.
  - **Reset**: Set all Camera settings to the defaults.

Camcorder

Use your phone's built-in Camcorder to record high-definition video in 720p resolution.

▶ From a Home screen, touch **Applications** ➔ **Camera** ➔ **Mode**.



Important!: Do not take take videos of people without their permission. Do not take videos in places where cameras are not allowed. Do not take videos in places where you may interfere with another person's privacy.

Capturing Video

1. From a Home screen, touch **Applications** ➔ **Camera** ➔ **Camcorder**.
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
   - Press the **Volume Key** to zoom in or out.
   - To configure settings, see *"Camcorder Options"* on page 81.
3. To start recording, touch the **Record** button. During recording, the button changes to **Pause**; touch **Pause** to temporarily stop recording. To resume recording, touch **Record** again.
4. To stop recording, touch the **Stop** button.
5. After recording, touch **Image Viewer** to view the video. While viewing the video, use these options:
   - Double-tap on the video to zoom all the way in or out.
   - Touch **Share** to send the video via **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Messaging** and **YouTube**.
   - Touch **Play** to review the video.
   - Touch **Delete** to erase the video.
   - Touch **Back** to return to the Camcorder to record more videos.

Camcorder Options

Configure the camcorder.

▶ While in Camcorder mode, touch the **Options** tab:

- **Recording mode**: Choose a recording mode, from:
  - **Normal**: Record a video of any length.
  - **Limit for MMS**: Record a video up to 450K in size, suitable for sending in a Video message.
- **Flash**: Choose Off or On.
- **Exposure value**: Choose a value to set the brightness.
- **Timer**: Set a delay before taking a picture.
- **Settings** ➔ **Camcorder**:
  - **Outdoor visibility**: Enable to enhance screen visibility.
  - **Resolution**: Choose a size for the recording.
  - **White balance**: Choose a setting for the light source.
  - **Effects**: Apply an effect to videos.
  - **Video quality**: Choose a quality setting for videos.
  - **Adjust**: Set Contrast, Saturation, and Sharpness.

- **Settings** → **Settings**
  - **Guidelines**: Enable to display a grid to aid in video composition.
  - **Audio recording**: Enable to record sound along with video.
  - **Review**: Enable or disable the instant review feature, to display videos immediately after recording.
  - **Reset**: Set all Camcorder settings to the defaults

Video Player

Your phone's 4-inch 800x400 Super AMOLED screen plays HD videos up to 720p, supporting H.263, H.264, MPEG4, 3GP, 3G2 (v9),and Xvid formats. Your phone is also DivX Certified® to play DivX® video up to HD 720p, including premium content.

Use Video Player to view and manage videos stored on an installed memory card, or shop for new videos.

1. From a Home screen, touch **Applications** → **Video Player**.
2. By default, videos display by name. While viewing the list of videos, touch **Menu** for these options:
   - **Remove**: Touch videos to select them for deletion, or touch Select all to delete all videos.
   - **List by**: Display the list of videos by Size, Name (default), Date, or Type.
3. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen Forward, Pause, Backwardplayback controls.
4. While playing a video touch **Menu** for these options:
   - **Share video**: Send the video via AllShare, Bluetooth, Messaging, YouTube, Gmail, or Email.
   - **Add bookmark**: Place a marker in the video, to view later.
   - **Bookmarks**: Display markers from the video.
   - **Via Bluetooth**: Send the video via Bluetooth.
   - **Details**: Shows File name, Format, Resolution, File size, and Date & Time for a video.
   - **Settings**: Choose Repeat, Brightness, Color tone, and Outdoor visibility settings.

Gallery

Your phone's 4-inch 800x400 Super AMOLED screen provides high-resolution display of:

- Pictures, including JPEG, PNG, GIF, A-GIF, WBMP and BMP formats.
- HD videos up to 720p, including H.263, H.264, MPEG4, 3GP, 3G2 (v9), Xvid formats. DivX Certified® to play DivX® video up to HD 720p, including premium content

Use Gallery to view, capture, and manage pictures and videos.

Note: You must have an optional memory card installed in your phone to take pictures or capture video. For more information, see *"Memory Card"* on page 12.

▶ From a Home screen, touch **Applications** ➔ **Gallery**.

Viewing Videos

1. From a Home screen, touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch a video to play it.
3. While viewing a video, touch **Menu** for these options:
   - **Share video**: Share the selected picture via AllShare, Messaging, YouTube, Bluetooth or Gmail.
   - **Details**: Shows File name, Format, Resolution, File size, and Date & Time for a video.
   - **Via Bluetooth**: Send the video via a phone/Bluetooth connection.

Viewing Pictures

1. From a Home screen, touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to view it.
3. While viewing a picture, tap on the the screen or touch **Menu** for options:
   - **Share**: Share the selected picture via **AllShare**, **Picasa**, **Messaging**, **Bluetooth**, **Gmail** or **Email**.
   - **Delete**: Erase the picture.
   - **More**
     - **Details**: Display information about the picture.
     - **Set as**: Assign the picture as a Contact icon, or as Wallpaper.
     - **Crop**: Drag the edges of the crop tool to select an area of the picture, then touch **Save** to save just the selected area, removing the rest of the picture.
     - **Rotate left:** Change the orientation of the picture.
     - **Rotate right**: Change the orientation of the picture.

Sharing pictures and video

Share pictures and videos via Email, AllShare, Bluetooth, Messaging, Picasa, or Gmail.

1. From a Home screen, touch **Applications** ➔ **Gallery**.
2. Touch a category to display thumbnails, then select items for sharing:
   - To select an entire category, touch **Menu** while viewing categories, then touch the category to select all pictures in the category.
   - To select multiple pictures or videos from a category, touch **Menu** while viewing the thumbnails. Touch thumbnails to mark them for sharing, then touch **Share**.
3. Touch **Messaging**, **Bluetooth**, **Gmail** or **Email**.

Setting a Picture as a Contact Icon

1. From a Home screen, touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch **Menu** ➔ **More** ➔ **Set as** ➔ **Contact icon**.
4. Select a contact, or create a new contact, with the selected picture as the contact's icon.

Setting a Picture as Wallpaper

1. From a Home screen, touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch **Menu** ➔ **More** ➔ **Set as** ➔ **Wallpaper**.
4. Use the crop tool to edit the picture, then touch **Save** to set the edited picture as the Home screen wallpaper.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Browse the latest movies and TV shows, then rent or purchase the media for viewing on your phone.

Note: Media Hub service requires a Media Hub account, and depends on service availability.

1. From a Home screen, touch **Applications** ➔ **Media Hub**.
2. To rent or buy media, you must have a Media Hub account.

   Touch **Menu** ➔ **My Account** to log in to your account, or to create an account. Follow the prompts to complete log-in.

3. Browse content using these options:
    - **What's new**: Recently-added titles for rent or purchase.
    - **My Media**: Content you have previously purchased or rented.
    - **Movie Store**: Movies you can rent or purchase.
    - **TV Store**: TV shows you can rent or purchase.
4. When you find media you want to view, use these options:
    - **Watch Preview**: View a short clip from the movie or show.
    - **Rent**: Purchase a time-limited download of the media. Follow the prompts to enter payment details.
    - **Own**: Purchase the media for unlimited viewing on your device. Follow the prompts to enter payment details.

Section 10: Connections

Your phone includes features to connect to the internet and to other devices, via Wi-Fi, Bluetooth, VPN and Dial Up Networking.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Use your phone's Wi-Fi feature to:

- Access the internet for browsing, or to send or receive email.
- Access your corporate network.
- Use hotspots provided by hotels or airports while traveling.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured, as with most hotspots), or Secured (requiring you to provide login credentials). Your phone supports the 802.11 b/g/n Wi-Fi protocol.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. For more information, see *"Wi-Fi settings"* on page 110.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range WAPs (Wireless Access Points).

Turning Wi-Fi On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your phone searches for available Wi-Fi connections, then displays them on screen.

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. When your phone completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. On the pop-up Wi-Fi settings menu, touch **Add network**, then enter these fields:
   - **Network Name (SSID)**: Enter the name of the Wi-Fi Wireless Access Point.
   - **Security**: Select the type of security used by the WAP.
   - **Password** or **Key**: If the WAP is secured, enter the password or hex key.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 112.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your phone supports, see *"Bluetooth profiles"* on page 111.

Turning Bluetooth On or Off

Turning Bluetooth On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth on.

Turning Bluetooth Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

Note: After pairing, your phone and the target device will recognize each other and exchange information without having to enter a passcode or PIN.

When paired, the **Bluetooth Paired** icon displays in the Annunciator Line.

1. From a Home screen, touch **Menu** → **Settings** → **Wireless & network** → **Bluetooth settings**.
2. Touch **Bluetooth** to turn on Bluetooth.
3. Touch **Discoverable** to activate the device's discoverable mode.
4. Touch **Scan devices**.
5. From the list of scanned devices, touch the target device, then follow the prompts to complete the pairing:
   - If the target device requires a PIN, enter a PIN for the target device and touch OK. When prompted, enter the PIN on the target device.

Tip: Some devices use a default passcode of 0000. Refer to the target device's user manual for more information.

- If the device allows automatic or smart pairing, your phone will attempt to pair with the phone automatically. Follow the prompts on your phone and the target device to complete the pairing.

Airplane mode

When active, this option disables all wireless connections, voice as well as data.

▶ From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **Airplane mode**.

When active, a check appears in the checkbox.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your phone's VPN settings. For more information, see *"VPN settings"* on page 113.

Adding a VPN

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
   - **Add PPTP VPN**: Set up a connection to a VPN with Point-to-Point tunneling protocol.
   - **Add L2TP VPN**: Set up a connection to a VPN with Layer 2 tunneling protocol.
   - **Add L2TP/IPSec PSK VPN**: Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
   - **Add L2TP/IPSec CRT VPN**: Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Mobile Networks

Mobile Network settings let you control whether your phone operates outside your home network location and/or whether your phone's data services operate outside your home network location.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & networks** ➔ **Mobile networks**. The following options are available:
   - **Data enabled**: Touch to enable or disable data access over a Mobile network.
   - **Data roaming**: Touch to enable or disable data services roaming. When enabled, a check appears in the checkbox.
   - **System selection**: Set voice service roaming to **Home only** (disabled) or **Automatic** (enabled).

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, videos, and other files.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see *"Memory Card"* on page 12.

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

Formatting a Memory Card

Formatting erases all content from the memory card and prepares it for use with your phone.

Formatting a Memory Card using Your Phone

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Storage**
2. Touch **Unmount SD card** ➔**OK**.
3. After unmounting the SD card, touch **Erase SD card**.
4. Follow the prompts to confirm the formatting of the card.

Formatting a Memory Card using Your Computer

For best playback of songs stored on a microSD™ or microSDHC™ memory card, use the PC file system FAT32. Consult your computer and/or memory card reader documentation for information about formatting memory cards.

Transferring Files to a Memory Card

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **USB settings** ➔ **Mass Storage**.
2. Attach your phone to the computer with a USB cable.
3. At the USB connected screen, touch **Connect USB Storage**. At the prompt, touch **OK** to enable copying of files between your computer and the memory card.
4. On your computer, choose a transfer method, and transfer files to the memory card.
5. When finished, touch **Stop** to disconnect USB storage, then disconnect the USB Cable.

AllShare

Use AllShare to synchronize your mobile phone with your TV via Wi-Fi to stream content to your TV.

Note: You must activate Wi-Fi to use this application. For more information, For more information, refer to *"Wi-Fi"* on page 87.

- From a Home screen, touch **Applications** ➔ **AllShare**.

Amazon MP3

Amazon MP3 is a digital music store owned and operated by Amazon.com. Using Amazon MP3 you can download DRM-Free (digital rights management) MP3 formatted songs and albums.

For more information, refer to *"Amazon MP3"* on page 74.

- From a Home screen, touch **Applications** ➔ **Amazon MP3**.

Apps

Discover Apps provides quick and easy access to the best Android applications.

The Discover team reviews thousands of Android apps and selects the most useful, and most fun Android apps, and then provides a list of reviews.

1. From a Home screen, touch **Applications** ➔ **Apps**.
2. Select a category, then touch one of the listed Applications.

   The review for the selected category displays.

After reviewing the applications you can use Android Marrket to download the application. For more information, refer to *"Market"* on page 100.

Asphalt 5

The Asphalt 5 game you can get behind the wheel of over 30 vehicles from prestigious manufacturers and race in 12 unique locations, with varied track surfaces, short cuts and jumps.

- From a Home screen, touch **Applications** ➔ **Asphalt 5**.

Barcode Scanner

The Barcode Scanner allows you to compare prices on items you find to see if you can find the item cheaper online or at another location near you.

1. From a Home screen, touch **Applications** ➔ **Barcode Scanner**.
2. Point the red line over the barcode and press the Camera button.
3. Select a search method: Product Search, Web search, Google shopper, Open browser, Share via email, Book Search or Search contents and Android does the rest.

Note: To use Google shopper you must install the application.

Books

Google eBooks is a new way to discover, buy, and enjoy your favorite books online and offline.

- From a Home screen, touch **Applications** ➔ **Books**.

Browser

Your phone includes a full HTML Browser, to access the internet. For more information about using Browser, see *"Browser (Google)"* on page 68.

- From a Home screen, touch **Applications** ➔ **Browser**.

Calculator

Use your phone's Calculator to perform mathmatical calculations.

- From a Home screen, touch **Applications** ➔ **Calculator**.

Calendar

Record events and appointments to manage your schedule.

1. From a Home screen, touch **Applications** ➔ **Calendar**.
2. Touch a tab to choose a calendar view:
   - **Month**: Display the current month and scroll to other months.
   - **Week**: Display the current week, and scroll to other weeks.
   - **Day**: Display today's schedule, and scroll to other days.
   - **List**: Display events in a chronological list.
3. Touch **Menu** for these options:
   - **Create**: Add a new event to the calendar.
   - **Go to**: Display a specific date.
   - **Today**: Display today's events.
   - **Search**:Search for events
   - **Delete**: Delete an event.
   - **Settings**: Customize the calendar.

Customizing the Calendar

1. From a Home screen, touch **Applications** ➔ **Calendar**.
2. Touch **Menu** ➔ **Settings** to configure these settings:
   - **View settings**
     - **Calendars**: View all your calendars.
     - **Calendar sync**: Synchronize calendars from multiple accounts.
     - **Default view**: Set the default view when Calendar opens.
     - **Day views**: Choose a view for a day's events.
     - **First day of week**: Choose a day to begin each week.
     - **Hide declined events**: Enable or disable display of events.
     - **Lock time zone**: Lock events times and dates to selected time zone.
     - **Select time zone**: Select a time zone.
   - **Notification settings**
     - **Set alerts & notifications**: Set alert and notification method.
     - **Vibrate**: Set notification to a vibrate setting.
     - **Select default ringtone**: Set notification to a ringtone.

Sending Events via Bluetooth

Send events as vCalendar files to other Bluetooth devices.

1. From a Home screen, touch **Applications** → **Calendar**.
2. Touch an event to display its details.
3. Touch **Menu** → **Send via**.
4. Follow the prompts to select a paired device, or pair with a new device. For more information, see *"Pairing with a Bluetooth Device"* on page 89.

Camera

Take pictures and record video with your phone's built in Camera. For more information, see *"Camera"* on page 78.

▶ From a Home screen, touch **Applications** → **Camera**.

Car Cradle

The Car Cradle application puts mobility features right at your fingertips, to allow one-touch access to maps, search, and navigation features while connected to an optional car cradle.

▶ From a Home screen, touch **Applications** → **Car Cradle**.

Clock

The Clock application includes these features:

- **Alarm** : Create alarms to go off once, or to repeat on specific days.
- **World clock**: Display the time and date in any time zone.
- **Stopwatch**: Record lap times.
- **Timer**: Measure elapsed time.

▶ From a Home screen, touch **Applications** → **Clock**.

Contacts

To access Contacts:

▶ From a Home screen, touch **Contacts**.

For more information, refer to *"Contacts"* on page 43.

Daily Briefing

Use the Daily Briefing widget to monitor the weather, financial information, news, and your schedule, in one convenient application.

Tip: Daily Briefing appears by default on the Home screen, and is available as a Samsung Widget. For information about displaying widgets on the Home screen, see *"Adding Widgets to the Home screen"* on page 25.

1. From a Home screen, touch **Applications** ➔ **Daily Briefing**.
2. The first time you launch Daily Briefing, touch **Menu** ➔ **Settings** to enable or disable each of the following information sources:
   - **AccuWeather.com**:
     - **Select city**: Choose cities for weather display on the Home screen.
     - **Auto refresh**: Choose a time interval for automatic refreshing of weather information, or choose None. When the setting is None, touch the refresh icon on the widget to update weather information.
     - **Widget auto scroll**: If you have selected more than one city, the widget will alternate display of information from each of your cities.
     - **Unit**: Select Celsius or Fahrenheit for temperature displays.
   - **Yahoo Finance**:
     - **Select stock**: Choose stock(s) to display on the Home screen.
     - **Auto refresh**: Choose a time interval for automatic refreshing of stock information, or choose None. When the setting is None, touch the refresh icon on the widget to update stock information.
     - **Widget auto scroll**: If you have selected more than one stock, the widget will alternate display of information for each stock.
   - **AP Mobile News**:
     - **Auto refresh**: Choose a time interval for automatic refreshing of news items, or choose None. When the setting is None, touch the refresh icon on the widget to update news items.
     - **Widget auto scroll**: When enabled, news items will automatically alternate inthe display.

Desk Cradle

The Desk Cradle application gives you one-touch access to the Alarm, Daily briefing, Music, Voice Search and Gallery while connected to an optional desk cradle.

▶ From a Home screen, touch **Applications** ➔ **Desk Cradle**.

Downloads

Files, apps, and other items you download in Browser, Gmail, Email, or in other ways, are stored on your phone's internal storage. Use the Downloads app to view, reopen, or delete what you have downloaded.

1. From a Home screen, touch **Applications** → **Downloads**.
2. Touch an item to open it (if an appropriate application is installed).

Free Games!

Browse, download, and install Android games.

- From a Home screen, touch **Applications** → **Free Games!**.

Galaxy S premium

Access premium, subscription Customer Care information and services for Galaxy S phone users.

- From a Home screen, touch **Applications** → **Galaxy S premium**.

Gallery

Use Gallery to view, capture, and manage pictures and videos. For more information, For more information, refer to *"Gallery"* on page 83.

- From a Home screen, touch **Applications** → **Gallery**.

Gmail

Send and receive emails via Gmail, Google's web-based email. For more information, see *"Gmail"* on page 62.

- From a Home screen, touch **Applications** → **Gmail**.

Google Search

Use Google to search the Web, and for content on your phone, including Amazon Kindle content, Apps, Contacts, Memo, Messaging, and Music Player.

Tip: Google Search is available as a Widget. For more information, refer to *"Adding Widgets to the Home screen"* on page 25.

- From a Home screen, touch **Applications** → **Google Search**.

Latitude

Google Latitude allows you and your friends share locations and status messages with each other. It also lets you send instant messages and emails, make phone calls, and get directions to your friends locations.

Important!: You must sign in to your Google account, enable Wi-Fi, and enable the Location feature before you can use this application. For more information, refer to *"Wi-Fi"* on page 87.

1. From the Home screen pull down the Notification panel and tap **Wi-Fi** and **GPS** to enable it.
2. From a Home screen, touch **Applications** ➔ **Latitude**.
3. Sign in to Latitude using your Google account information.

Note: You must sign in to your Google Account to use this feature. For more information, refer to *"Accounts & sync"* on page 126.

Maps

Google Maps allow you to track your current location, view real-time traffic issues, and view detailed destination directions. There is also a search tool included to help you locate places of interest or a specific address. You can view locations on a vector or aerial map, or you can view locations at the street level.

Important!: Before using Google Maps you must have an active data (3G) or connection. The Maps application does not cover every country or city.

- From a Home screen, touch **Applications** ➔ **Maps**.

Market

Browse the Android Market for new Android applications, games or downloads for your phone. You'll need to have a Google account set up on your phone to download a new application.

1. From a Home screen, touch **Applications** ➔ **Market**.
2. The first time you open Market, read the Terms of Service, then touch **Accept** to continue.
3. Browse for items to install or upgrade downloads.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Browse the latest movies and TV shows, then rent or purchase the media for viewing on your phone. For more information, refer to *"Media Hub"* on page 85.

Note: Media Hub service requires a Media Hub account, and depends on service availability.

- From the Home screen, touch touch **Applications** ➔ **Media Hub**.

Memo

Create and manage text memos, and send memos via Bluetooth to paired Bluetooth devices.

- From a Home screen, touch **Applications** ➔ **Memo**.

Note: You can send a memo via Bluetooth. After creating a memo, touch **Menu** ➔ **Send via**, then follow the prompts to send the memo to a paired Bluetooth device.

To send a saved memo, touch and hold on the Memo ➔ **Send via** then follow the prompts to send the memo to a paired Bluetooth device. 6For more information, see *"Bluetooth"* on page 89.

Mini Diary

This application allows you to create a mini diary where you can add a photo, and text to describe an event or other memorable life event.

1. From a Home screen, touch **Applications** ➔ **Mini Diary**. Any diary entries display in a list.
2. Tap **Create diary**.
3. Tap **Tap to add photo** field to add a photo for this diary event and touch the source. Selections are: **Camera**, or **Images**.
4. Tap the screen and enter text then touch **Done**.
5. Tap the No weather data icon in the upper, left corner (over the photo) and select a weather condition from the list to describe the weather conditions for this entry.
6. Touch **Save**.

Mini Diary settings

1. From a Home screen, touch **Applications** ➔ **Mini Diary** application.
2. Press ➔ **Settings**.
3. Touch **Selected city** and touch the city for which you are documenting this entry.
4. Touch **Auto update** if you want the settings to automatically update.

Deleting a Mini Diary entry

1. From a Home screen, touch **Applications** ➔ **Mini Diary** application.
2. Press ➔ **Delete all**.

Mini Diary options

1. From a Home screen, touch ➔ **Mini Diary** application.
2. Select a diary.
3. Press and select one of the following options:
   - **Create**: creates a new diary entry.
   - **Delete**: deletes the displayed entry.
   - **Publish**: charges may apply when publishing (exporting). Touch Yes then select Facebook or MySpace.
   - **Change photo**: replaces the photo in this entry by allowing you to take another photo with using another image.
   - **Delete photo**: deletes the photo from this entry when you touch Yes to confirm.

Music Player

Play music files from an installed memory card. For more information, see *"Music Player"* on page 74.

▶ From a Home screen, touch **Applications** ➔ **Music Player**.

My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From a Home screen, touch **Applications** → **My Files**.
2. Tap a folder and scroll down or up until you locate a file.
3. Touch a file to launch it in the associated application (if the file is associated with an application).
4. While browsing files, use these controls:
   - Touch **Up** to go back up to a higher directory.
   - Touch **Home** to go back to the root directory.
   - Press **Menu** for these options:
     - **Share**: Upload the file via MySpace, Facebook, AllShare, Bluetooth, Messaging, Picasa, Gmail, Email, YouTube, or Barcode Scanner.
     - **Create folder**: Create a new folder for storing files.
     - **Delete**: Erase selected file(s).
     - **View by**: Display files as a List, as a List and details, or as Thumbnails.
     - **List by**: Sort files by Time, Type, Name, or Size.
     - **More**: Move, Copy, Rename files, set Bluetooth visibility for file(s), or change settings for My Files.

Navigation

Google Maps Navigation (Beta) is an internet-connected turn-by-turn, GPS navigation system with voice guidance.

Caution!: Traffic data is not real-time and directions may be wrong, dangerous, prohibited, or involve ferries.

Eight product features are included in Google Maps Navigation:

- **Search in plain English**: enter the destination address, place, name of business, or even a type of business.
- **Search by voice**: Speak your destination instead of typing (English only).
- **Traffic view**: An indicator glows green, yellow, or red based on the current Search along route: search for any kind of business along your route, or turn on popular layers such as gas stations, restaurants, or parking.
- **Traffic along your route**. Touch it to see traffic ahead of you.
- **Satellite view**: View your route overlaid on 3D satellite views with Google's high-resolution aerial imagery.
- **Street view**: Visualize turns with Street View imagery. Navigation automatically switches to Street View as you approach your destination.
- **Car dock mode**: Car dock mode makes it easy to use your device at arm's length (Android 2.0 devices or higher).

- **Navigation shortcut**: Select the Navigation icon from the launcher to start quickly; pick a destination by search (speak or type), contacts, starred items, or recent destinations.

1. From a Home screen, touch **Applications** ➔ **Navigation** application.
2. Tap **Navigation**.

Caution!: Navigation is a beta product. Use caution.

3. Tap **Accept** and begin using the Navigation application.

News & Weather

News & Weather monitors the weather, financial information, news, and your schedule, in one convenient application.

▶ From the Home screen, touch **Applications** ➔ **News & Weather**.

Places

Find places of interest near your **Latitude** location. (For more information, refer to *"Latitude"* on page 99.)

▶ From a Home screen, touch **Applications** ➔ **Places**.

Settings

Configure your phone to your preferences. For more information, see *"Settings"* on page 110.

▶ From a Home screen, touch **Applications** ➔ **Settings**.

Talk

Use Google Talk to chat with other Google Talk users. For more information, see *"Google Talk"* on page 65.

▶ From a Home screen, touch **Applications** ➔ **Talk**.

Task Manager

View and manage active applications on your phone. For more information, see *"Task Manager"* on page 11.

▶ From a Home screen, touch **Applications** ➔ **Task Manager**.

TextCS

Use TextCS to send a text message to Customer Support (311) with questions for support or account information.

1. From a Home screen, touch **Applications** ➔ **TextCS**.
2. Tap the **Type to compose** field and enter your support or account information question, then touch **Send**.

Note: Call your Customer Support representative for further details.

ThinkFree Office

ThinkFree Office Mobile for Android™ is a Microsoft Office®-compatible office suite, that provides a central place for managing your documents on and off line.

▶ From a Home screen, touch **Applications** ➔ **ThinkFree Office**.

Video Player

View and manage videos stored on an optional installed memory card, or shop for new videos.

▶ From a Home screen, touch **Applications** ➔ **Video Player**.

Voice Commands

Voice Commands is advanced speech recognition software that recognizes your spoken commands to dial phone numbers, create messages, and launch phone features such as Contacts, Calendar and My Music.

To use Voice Commands, speak naturally into your phone, at a distance of 3-12 inches. There is no need to "train" Voice Commands, it is designed to recognize natural speech.

▶ From a Home screen, touch **Applications** ➔ **Voice Commands**.

Note: At each step, Voice Commands displays a list of available commands. If Voice Commands does not recognize your command, it will prompt you to confirm.

Call <Name or #>

Place a call by speaking a contact name or telephone number.

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**", say "**Call**", followed by:
   - "< **A Name**>", to call the default telephone number for a Contact. Or, say "Call", followed by the type of number label.
   - "<**Number**>", to dial phone number.
3. Follow the prompts to confirm your selection and place the call.

Send Text <Name or #>

Create a new message by speaking the type of message and the recipient(s).

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**", say "**Send Text**".
3. At the prompt, say a Contact name, telephone number.
4. The new message opens, with the To: field populated with your selection(s). Continue creating the message. (For more information, refer to *"Messaging"* on page 60.)

Send Picture <Name or #>

Create a new message by speaking the type of message and the recipient(s).

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**", say "**Send Picture**".
3. At the prompt, say a Contact name, telephone number.
4. The new message opens, with the To: field populated with your selection(s). Continue creating the message. (For more information, refer to *"Messaging"* on page 60.)

Send Video <Name or #>

Create a new message by speaking the type of message and the recipient(s).

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**", say "**Send Video**".
3. At the prompt, say a Contact name, telephone number.
4. The new message opens, with the To: field populated with your selection(s). Continue creating the message. (For more information, refer to *"Messaging"* on page 60.)

Lookup <Name>

Access a contact record by speaking the name of the contact.

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**.", say "**Lookup**" followed by the name of a Contact entry. The named Contact's information appears in the display.

Go To <Menu>

Access an application by speaking the application name.

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**", say "**Go to**" and say the name of the application you would like to access.

Play <Playlist>

Launch My Music and start playback of a saved playlist.

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**", say "**Play**", followed by the name of a stored playlist.

Check <Item>

Access device information by speaking the command.

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. At the audio prompt "**Say a command**", say "**Check**", followed by a command:
   - **Status**: Displays and announces all phone status indicators.
   - **Voicemail**: Displays and announces the number of new voicemail messages.
   - **Messages**: Displays and announces the number of new Text, Picture and Voice messages.
   - **Missed Calls**: Displays the missed call log.
   - **Time**: Displays and announces the current time.
   - **Signal Strength**: Displays and announces the current 1x signal strength level.
   - **Network**: Displays network roaming status.
   - **Battery**: Displays and announces the current battery level.
   - **My Phone Number**: Displays and announces your phone number.
   - **Volume**: Displays and announces the current volume level.

Voice Commands Settings

Configure the Voice Commands feature of your phone.

1. From a Home screen, touch **Applications** ➔ **Voice Commands**.
2. Touch **Menu** ➔ **Settings** Select a setting for customization:
   - **Confirmation**: Select when the system asks you to confirm a name or number. Select **Automatic**, **Always Confirm**, or **Never Confirm**.
   - **Adaptation**: Train Voice Commands to recognize your voice. Choose **Adapt Voice**, then follow the audio prompts.
   - **Audio Modes**: Set the level of audio assistance. Choose **Expert Mode**, **Prompt Mode**, or **Readout Mode**.
   - **About**: View information about Voice Commands.

Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

▶ From a Home screen, touch **Applications** ➔ **Voice Recorder**.

Voice Search

Voice Search offers voice-activated Google searches.

1. From a Home screen, touch **Applications** ➔ **Voice Search**.
2. At the **Speak now** prompt, speak your search criteria slowly and clearly. Google searches for the information and displays results.

Write & Go

Capture ideas as a text note, select a format for sending via Gmail, saving to the Calendar or as a memo, or use it to update your Facebook, MySpace, or Twitter status.

1. From a Home screen, touch **Applications** → **Write & Go**.
2. Compose a text note, then use the following options:
   - **Send**: Create a new text or email message containing the note.
   - **Update status**: Log in to post the note to update your status on Facebook, MySpace, or Twitter.
   - **Save**: Save the note as an event in Calendar, or as a Memo.

YouTube

View and upload YouTube videos, right from your phone.

▶ From a Home screen, touch **Applications** → **YouTube**.

Section 12: Settings

This section explains Settings for customizing your phone.

Accessing Settings

▶ From a Home screen, touch **Menu** ➔ **Settings**.

– or –

From a Home screen, touch **Applications** ➔ **Settings**.

Wireless & network

Control your phone's wireless connections.

Wi-Fi

Your phone supports Wi-Fi b/g/n.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range Wireless Access Points (WAPs).

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check displays in the checkbox.

Wi-Fi settings

Set up and manage wireless access points.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **Wi-Fi settings**.
2. Touch settings to configure:
   - **Wi-Fi**: Touch to turn Wi-Fi On or Off. When on, a check appears in the check box.
   - **Network notification**: Notifies you when an open network is available. When on, a check displays in the checkbox.
   - **Detected Networks**: A list of nearby Network Access Points (NAPs) detected by your phone.
   - **Network Settings**
     - Add Network: Manually add a new Wi-Fi connection.
     - Manage Networks: Forget or Edit the settings for "remembered" networks, that is networks you've already connected to.
     - Search: Your phone begins scanning for nearby networks.
     - Advanced: For more information, refer to *"Advanced Wi-Fi settings"* on page 111.

Advanced Wi-Fi settings

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **Wi-Fi settings** ➔ **Advanced**.

   - **Wi-Fi sleep policy**: Specify when to switch from Wi-Fi to mobile data for data communications. Touch to choose from **When screen turns off**, **Never when plugged in**, or **Never**.
   - **MAC address**: View your phone's MAC address, needed for connecting to some secured networks (not configurable).
   - **Proxy**: Touch to enter a proxy number.
   - **Port**: Touch to enter a port number.
   - **IP Settings**
     - **Use static IP**: Touch to use a static IP. When enabled, a check mark displays in the checkbox.
     - **IP address**: When using a static IP, enter the IP address.
     - **Gateway**: When using a static IP, enter the Gateway.
     - **Netmask**: When using a static IP, enter the Netmask.
     - **DNS 1**: When using a static IP, enter the DNS 1 value.
     - **DNS 2**: When using a static IP, enter the DNS 2 value.

Bluetooth

Your phone supports Bluetooth® 3.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

- **Headset**: HSP v1.1 profile supports use of a compatible Bluetooth headset for mono voice.
- **Handsfree**: HFP v1.5 profile supports Bluetooth headsets, and may also support other installed compatible Bluetooth devices with speakerphone capabilities.
- **Stereo**: A2DP v1.0, AVRCP v1.0, GAVDP and AVDTP profiles support delivery of stereo audio to a compatible Bluetooth device.
- **Phonebook Access**: PBAP v1.0 profile allows sharing of multiple name card and phonebook entries with a compatible Bluetooth device.
- **Object Push**: OPP v1.1 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices.

Note: This device does not support all Bluetooth profiles.

Turning Bluetooth On or Off

Turn your device's Bluetooth service On or Off. For more information about using Bluetooth to exchange information with other Bluetooth devices, see see *"Bluetooth"* on page 89.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **Bluetooth settings**.
2. Touch **Bluetooth** to turn Bluetooth On or Off. When On, a check displays in the checkbox.

Bluetooth settings

Use Bluetooth settings to manage Bluetooth connections, set your device's name, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access some settings.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **Bluetooth settings**.
2. Touch a setting to configure Bluetooth:
   - **Bluetooth**: Touch to turn Bluetooth On or Off. When On, a check displays in the checkbox.
   - **Device Name**: Your device's default name displays on screen. Touch to change the device name. Available when Bluetooth is turned On.
   - **Discoverable**: Control your phone's visibility to other devices' Bluetooth searches. Touch to turn On or Off. Available when Bluetooth is turned On.
   - **Scan devices**: Touch to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, see see *"Pairing with a Bluetooth Device"* on page 89.

Airplane mode

When airplane mode is activated, all your phone's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network**.
2. Touch **Airplane mode** to activate or deactivate airplane mode. When activated, a check displays in the check box.

VPN settings

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see see *"VPN"* on page 90.

Add VPN

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
   - **Add PPTP VPN**: Set up a connection to a VPN with Point-to-Point tunneling protocol.
   - **Add L2TP VPN**: Set up a connection to a VPN with Layer 2 tunneling protocol.
   - **Add L2TP/IPSec PSK VPN**: Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
   - **Add L2TP/IPSec CRT VPN**: Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Mobile networks

Set options for network selection and data services while roaming.

Important!: Depending on your service plan, changes you make to Mobile Networks settings may incur extra charges. Consult your service provider for more information.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Wireless & network** ➔ **Mobile networks**.
2. Set these options:
   - **Data enabled**: Touch to enable or disable data access over a Mobile network.
   - **Data roaming**: Enable or disable connections to data services when your device is roaming on another network. For more information about roaming, see *"Roaming"* on page 10.
   - **System select**: Change the roaming mode for CDMA networks.
     - **Home Only**: Restrict your phone to your home network's coverage area. When outside the coverage area, your phone will not roam, and call functions and other wireless features will not be available.
     - **Automatic**: Allow your phone to automatically acquire service based on default settings, using your carrier's network and the networks of roaming partners.

Call settings

Voicemail

Voicemail service

By default, calls you do not answer are sent to your carrier's voicemail system. If you subscribe to other voicemail services, you can set the default service.

- From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings** ➔ **Voicemail service**.

Voicemail

By default, the speed dial number for calling your carrier's voicemail is *86. You can modify this to set a special speed dial number for accessing voicemail.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings** ➔ **Voicemail**.
2. Use the touch keypad to modify the default voicemail number.

Other call settings

Ignore with message

Create messages to use when rejecting incoming calls. For more information, see *"Ignoring a call with a message"* on page 37.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings** ➔ **Ignore with message**.
2. Touch **Create**.
3. Enter the message text, then touch **Save**.

Note: To erase messages, touch **Menu** ➔ **Delete**.

North American dialing

When you enable the North American dialing feature the phone automatically replaces the +1 with an International dialing code in the area that you are located. Touch North American dialing to enable. A checkmark appears.

Setting up the International Dialing code

Note: To set international dialing code. North American dialing must be unchecked.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings** ➔ **International Dialing**.
2. Deselect the North American dialing feature (if selected).
3. Enter an international dialing code in the field and touch **OK**.

   If North American dialing is selected, the phone automatically uses the international dialing code you entered in step 3.

View call timer

View the length of the Last call, all Outgoing calls, all Incoming calls, all Roaming calls, or All calls.

Auto retry

When enabled, your phone will automatically re-attempt a call when it encounters a network busy signal.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings**.
2. Touch **Auto retry** to enable or disable automatic call retry. When enabled, a check mark displays in the check box.

DTMF Tones

Set the length of DTMF (Dual Tone Multiple Frequency) tones that your phone sends. DTMF tones are used as input by some automated call systems.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings** ➔ **DTMF tones**.
2. Touch **Normal** or **Long**.

TTY Mode

When enabled, TTY Mode allows your phone to work with a TTY device attached to the Headset Jack. Before using your phone with a TTY device, you'll need to enable TTY Mode.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings** ➔ **TTY mode**.
2. Touch **TTY Off**, **TTY Full**, **TTY HCO**, or **TTY VCO**.

Call Restrictions

You can restrict both incoming and outgoing calls.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings** ➔ **Call Restrictions**.
2. From the **Incoming** field tap **Allow All**, **Allow Contacts**, or **Allow None**.
3. From the **Outgoing** field tap **Allow All**, **Allow Contacts**, or **Allow None**.

Voice privacy

When enabled, Voice privacy encrypts your voice calls for enhanced privacy.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call settings**.
2. Touch **Voice privacy** to enable or disable voice privacy. When enabled, a check mark displays in the check box.

Auto answer

When activated, the phone automatically answers a call after a specified period of time.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call Settings** ➔ **Auto answer**.
2. Select one of the predefined times. The phone automatically answers the call after the determined number of seconds.

Emergency Numbers

Your phone automatically includes 911 as an emergency call number, however, you can enter additional emergency numbers (such as local police or fire) .

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Call Settings** ➔ **Emergency Number**.
2. Touch **Empty**, enter a new emergency number then touch **Save**.

Sound settings

General

Silent mode

Temporarily silence all the sounds your phone makes except for media playback and alarms.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings**.
2. Touch **Silent mode** to enable or disable silent mode. When enabled, a check mark appears in the check box.

Vibrate

When enabled, your phone vibrates to alert you to new notifications.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings**.
2. Touch **Vibrate** , to choose a vibration mode, from **Always**, **Never**, **Only in silent mode**, or **Only when not in silent mode**.

Note: The Phone vibrate setting is independent of other call sounds settings. For example, if you have Silent mode enabled with Phone vibrate, your phone won't play a ringtone, but will vibrate for an incoming call.

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume Key**.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings** ➔ **Volume**.
2. Touch and drag the slider to set **Incoming call volume**.
3. Touch and drag the slider to set **Media volume**.
4. Touch and drag the slider to set **System volume**.
5. Touch and drag the slider to set **Notification volume**.

   – or –

   Touch **Use incoming call volume for notifications** to match notification volume to incoming call volume.
6. Touch **OK** to save your setting.

Incoming calls

Voice call ringtone

Choose a default ringtone for all incoming calls.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. For more information, see *"Setting a Song as a Ringtone"* on page 77.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings** ➔ **Voice call ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Notifications

Notification ringtone

Select a default ringtone for message, alarm, and other notifications.

Tip: You can also set songs as alarm ringtones. For more information, see *"Setting a Song as a Ringtone"* on page 77.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings** ➔ **Notification ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Feedback

Audible touch tones

When enabled, tones play for when you dial numbers on the Phone Dialer.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings**.
2. Touch **Audible touch tones** to enable or disable tones. When enabled, a check mark appears in the check box.

Audible selection

When enabled, tones play when you touch the screen for selections (other than the Phone Dialer).

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings**.
2. Touch **Audible selection** to enable or disable tones. When enabled, a check mark appears in the check box.

Screen lock sounds

When enabled, tones play when unlocking and locking the screen.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings**.
2. Touch **Screen lock sounds** to enable or disable tones. When enabled, a check mark appears in the check box.

Haptic feedback

When enabled, the phone vibrates to indicate screen touches and other interactions.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings**.
2. Touch **Haptic feedback** to enable or disable vibration. When enabled, a check mark appears in the check box.

Vibration intensity

Set the intensity of vibration for screen touch feedback.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings**.
2. Touch **Vibration intensity**, then touch and drag the slider to set Vibration intensity.
3. Touch **OK** to save your setting.

Emergency Tone

You can set your phone to play an alert tone or vibrate during an emergency call (for example, calls to 911).

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Sound settings** ➔ **Emergency tone**.

▶ Touch **Alert** or **Vibrate**, or touch **Off** for no emergency tone.

Display settings

Font style

Set the font for screen displays.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Display settings**.
2. Touch **Font style** to choose a font style, or touch **Get fonts online** to browse and download a new font.

Brightness

Set the default screen brightness.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Display settings** ➔ **Brightness**.
2. Touch and drag the slider to set the brightness, or touch to enable **Automatic brightness**.
3. Touch **OK** to save the setting.

Auto-rotate screen

When enabled, the screen's orientation changes automatically when you rotate the phone.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Display settings**.
2. Touch **Auto-rotate screen** to enable or disable automatic screen rotation. When enabled, a check mark displays.

Tip: You can also set the Auto-rotate screen setting on the Notification Panel.

Animation

Set the level of animations for transitions between screens.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Display settings** ➔ **Animation**.
2. Touch **No animation**, **Some animations**, or **All animations**.

Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Display settings** ➔ **Screen timeout**.
2. Touch a setting to select it.

Power saving mode

When enabled, your phone will automatically analyze the screen and adjust the brightness to conserve battery power.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Display settings**.
2. Touch **Power saving mode** to enable or disable the mode. When enabled, a check appears in the check box.

Location & security

We value your privacy and because of this, your phone is defaulted to only acquire your location when you dial 911. To use Location-Based Services, you must first enable location services on your phone.

My Location

Use wireless networks

Enable or disable location service from your Wireless Provider.

Note: Network location services must be enabled to use some applications.

Important!: By selecting **Network location services**, you are enabling your Wireless Provider and third-party authenticated and validated location-enabled services access to certain location information available through this network or device.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Use wireless networks** to enable or disable Network location services. When enabled, a check mark appears in the check box.

Use GPS satellites

Enable or disable location service from Standalone GPS services. To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Note: Standalone location services must be enabled to use some applications.

Important!: By selecting **Standalone GPS services**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add or attach to the device or any other means. Enabling this functionality could pose certain risks to users of this device.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Use GPS satellites** to enable or disable Standalone GPS services. When enabled, a check mark appears in the check box.

Screen unlock settings

Set screen lock

Choose settings for unlocking your screen.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Set screen lock/Change screen lock** for these settings:
   - **None**: Touch to disable all screen lock settings.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **PIN**: Touch to select a PIN to use for unlocking the screen.
   - **Password**: Touch to create a password for unlocking the screen.

Passwords

Visible passwords

When enabled, password characters will display briefly as you touch them while entering passwords.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.

2. Touch **Visible passwords** to enable or disable brief displays of password characters. When enabled, a check mark appears in the check box.

Device administration

Select device administrators

Add or remove device administrators.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Select device administrators**.

Credential storage

Use secure credentials

You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.

Note: You must have installed encrypted certificates from a memory card to use this feature.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Use secure credentials** to enable or disable. AWhen enabled, a check mark displays in the check box when enabled.

Install encrypted certificates (from SD card)

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Install encrypted certificates from SD card**, then choose a certificate and follow the prompts to install.

Set password

Set or change a password to protect credentials.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Set password**, then follow the prompts.

Clear storage

Clear stored credentials and reset the password.

Note: This setting only appears if you have installed encrypted certificates.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Location & security**.
2. Touch **Clear storage** to clear stored credentials and reset the password.

Applications

You can download and install applications from Android Market, or create applications using the Android SDK and install them on your phone. Use Applications settings to manage applications on your phone.

Warning!: Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Unknown sources

When enabled, allows installation of applications from sources other than the Android Market.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Applications**.
2. Touch **Unknown sources** to enable or disable the setting. When enabled, a check mark appears in the check box.

Manage applications

Manage and remove applications from your phone.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Applications** ➔ **Manage applications**.
2. Touch an application to view and update information about the application, including memory usage, default settings and permissions.
3. Touch **Back** to return to Applications settings.

Running services

View and control services running on your phone.

Warning!: Not all services can be stopped, and stopping services may have undesirable consequences on the application or Android System.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Applications** ➔ **Running services**.
2. To stop a service, touch the service, then touch **Stop** at the confirmation prompt.

Storage Use

View application memory usage.

Battery use

See what has been using your battery.

Development

Set options for application development.

USB debugging

When enabled, allows debugging when the phone is attached to a PC by a USB cable.

Note: This setting is used for development purposes.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Applications** ➔ **Development**.
2. Touch **USB debugging** to enable or disable the setting. When enabled, a check mark appears in the check box.

Allow mock locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for development purposes.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Applications** ➔ **Development**.
2. Touch **Allow mock locations** to enable or disable the setting. When enabled, a check mark appears in the box.

Accounts & sync

Set up and manage accounts, including your Google and Backup Assistant accounts.

General sync settings

Background data

When enabled, all accounts can sync, send, and receive data at any time, in the background.

Important!: Disabling background data can extend battery life and lower data use. Some applications may still use the background data connection, even if this setting is disabled.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Touch **Background data** to enable or disable the setting. When enabled, a check mark appears in the check box.

Auto-sync

When enabled, all accounts sync data at any time, automatically.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Touch **Auto-sync** to enable or disable the setting. When enabled, a check mark appears in the check box.

Manage accounts

Use Manage accounts to set up and configure your accounts.

Note: Available settings depend on the type of account. Not all settings are available for all accounts.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Under **Manage accounts**, touch the account to modify its settings.

Tip: For more information about managing accounts, see *"Setting Up Your Accounts"* on page 40.

Adding an account

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Under **Manage accounts**, touch **Add account** and follow the prompts to enter your credentials and set up the account.

Tip: For more information about adding accounts, see *"Setting Up Your Accounts"* on page 40.

Removing an account

Important!: Removing an account also deletes all of its messages, contacts and other data from the phone.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accounts & sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts and other data.

Privacy

Use Privacy settings to manage use of personal information by your phone.

Personal Data

Factory data reset

Use Factory data reset to return your phone to its factory defaults. This setting erases all data from your phone, including your Google or other email account settings, system and application data and settings, and downloaded applications. It will not erase current system software and bundled applications, or files stored on an optional installed memory card, such as music or photos.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Privacy**.
2. Touch **Factory data reset**, then follow the prompts to perform the reset.

Storage

Manage the use of memory resources in your phone's internal memory, and on an optional installed memory card.

External SD card

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Storage**.
2. View **Total space** and **Available space** memory usage on an installed memory card (not user-configurable).
3. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Installing and Removing a Memory Card"* on page 91.
4. Touch **Erase SD card** to erase the memory card and prepare it for use with your phone. For more information, see *"Formatting a Memory Card"* on page 91.

Internal phone storage

View memory usage for your phone's internal memory. Your phone contains 2GB internal memory.

Note: This setting cannot be configured.

- From a Home screen, touch **Menu** ➔ **Settings** ➔ **Storage**.

USB settings

Select how your phone responds to a USB connection to a personal computer.

- From a Home screen, touch **Menu** ➔ **Settings** ➔ **USB settings**.The following options are available:
  - **Samsung Kies**: Your phone is controllable by Samsung Kies, a utility program not available in the United States.
  - **Mass storage**: Your phone appears to the personal computer as a removable disk drive.
  - **Ask on connection**: A menu pops-up letting you select **Samsung Kies** or **Mass storage**.

Language & keyboard

Language selection

Select locale

Set the language used by your phone's screens.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Language & keyboard** ➔ **Select locale**.
2. Touch a language/locale from the list.

User dictionary

When you enter text, the predictive text features of Swype and Android keyboard suggest words matching your key touches. If you find that predictive text often predicts the wrong word, or if you have special words that you enter often, add them to the User dictionary.

Add and manage words in your user dictionary.

- Touch **Menu** ➔ **Add**. to add a word to the dictionary.
- Touch a word, then select **Edit**. to edit the word.

  Touch a word, then select **Delete**. to delete a word.

Text settings

Configure text entry options to your preferences.

Select input method

When entering text, you can select the text input method.

▶ Touch and hold on a text input field, then select an input method:

- **Swype**
- **Samsung keypad**
- **Android keyboard**

Swype

Configure Swype settings. Swype is a new way to enter text by gliding your finger over the characters on the keyboard. For more information, see *"Entering Text Using Swype"* on page 54.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Language & keyboard** ➔ **Swype**.
2. Touch items to configure the setting. Settings include:
   - **Preferences**
     - **Language**: Choose US English or Español.
     - **Word Prediction**: When enabled, suggests possible matching words as you enter text.
     - **Audio Feedback**: When enabled, plays sounds as you enter text.

– **Vibrate on keypress**: When enabled, the phone vibrates on text entry.
– **Enable tip indicator**: When enabled, displays a flashing indicator for quick help as you enter text.

- **Swype Advanced settings**
  – **Auto-spacing**: When enabled, inserts spaces automatically when you pause entering text.
  – **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
  – **Show complete trace**: Choose whether to display a trace of your Swype path.
  – **Word choice window**: Select how often word predictions display during text entry.
  – **Speed vs. accuracy**: Set the sensitivity of Swype text recognition.
- **Help**
  – **Swype Help**: View the Swype User Manual.
  – **Tutorial**: View a tutorial for learning how to Swype.
- **About**:
  – **Version**: View the current Swype software version.

Android keyboard

Configure Android keyboard settings. For more information about entering text with the Android keyboard, see *"Entering Text Using the Android Keyboard"* on page 58.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Language & keyboard** ➔ **Android keyboard**.
2. Touch items to enable or disable the setting. Settings include:
   - **Vibrate on keypress**: When enabled, the phone vibrates for each key press.
   - **Sound on keypress**: When enabled, a sound plays for each key press.
   - **Popup on keypress**: When enabled, the touched character displays in a popup.
   - **Touch to correct words**: When enabled, touch entered words to correct them.
   - **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
   - **Voice input**: Voice Input is an experimental feature using Google's networked speed recognition. When enabled, the Voice input key appears on the Android keyboard. To use Voice input, touch the Voice input key, or slide your finger over the keyboard.
   - **Input languages**: Choose available languages.
   - **Word suggestion settings**
     – **Quick fixes**: When enabled, corrects common mistakes.
     – **Show suggestions**: When enabled, displays suggested words while entering text.
     – **Auto-complete**: When enabled, touching the spacebar or a punctuation character automatically inserts the highlighted suggested word.

Samsung keypad

Configure Samsung keypad settings. For more informatin about entering text using the Samsung keypad, see *"Entering Text Using the Samsung Keyboard"* on page 56.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Language & keyboard** ➔ **Samsung keypad**.
2. Touch items to enable or disable the setting. When enabled, a check mark displays in the check box. Settings include:
   - **Portrait keypad types**: Select which type of Samsung keypad appears when you touch a text entry field, either Qwerty Keypad, 3x4 Keypad, Handwriting box 1, or Handwriting box 2.
   - **Input languages**: Select the language you want to enter using the Samsung keypad.
   - **XT9**: When enabled, lists words that include your key presses.
   - **XT9 advanced settings**: Lets you enable those XT9 features you want to use and disable those you don't want to use.
   - **Keypad sweeping**: When enabled, lets you select text entry modes by sweeping across the Samsung keypad.
   - **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
   - **Handwriting settings**: Select the speed of response of the Samsung Handwriting keypads. Also access an explanation of Handwriting keypad use.
   - **Voice input**: Voice Input is an experimental feature using Google's networked speed recognition. When enabled, the Voice input key appears on the Android keyboard. To use Voice input, touch the Voice input key, or slide your finger over the keyboard.
   - **Auto-full stop**: Enable on Disable Auto-full stop.
   - **Tutotial**: Learn about this keypad's functions.

Voice input & output

Voice input

Voice recognition settings

Configure voice input.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Voice input & output**.
2. Touch **Voice recognition settings** for these options:
   - **Language**: Choose the default language for voice input.
   - **SafeSearch**: Set the sensitivity for filtering of explicit images from the results of your Google voice searches.
   - **Block offensive words**: Enable to hide words many people find offensive in results of Google voice searches. Offensive words are replaced in search results with a placeholder (####).

- **Personalized recognition**: Enable to allow Google to store and use recordings of your voice inputs when using Voice Search and entering text by speaking, to improve voice recognition for your voice. Touch More information for additional details.
- **Google Account dashboard**: Open your Google Account dashboard in Browser, to view and manage information associated with your Google Account that is stored on Google servers.

Voice output

Text-to-speech settings

Configure voice output.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Voice input & output**.
2. Touch **Text-to-speech settings** for these options:
   - **Listen to an example**: If you have a speech synthesizer enabled, play a brief sample of voice output.
   - **Driving mode**: When enabled, incoming calls and new notifications will be read out automatically.
   - **Always use my settings**: When enabled, settings you make override the application¡s default settings

Default settings

- **Default engine**: Choose a default speech synthesizer engine.
- **Install voice data**: Download and install voice data from Android Market (free).
- **Speech rate**: Choose the rate at which text is spoken.
- **Language**: Choose a voice for spoken text.

Engines

- **Pico TTS**: Configure the language-specific engine for speech synthesis.

Accessibility

Accessibility services are special features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accessibility**.
2. Touch **Accessibility** to activate or deactivate accessibility services. When activated, a check appears in the box.

Accessibility services

Enable or disable accessibility services.

Note: You must activate the **Accessibility services** setting before enabling services.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Accessibility**.
2. Touch a service to enable or disable the service. When enabled, a check mark appears in the check box:
   - **KickBack**: When enabled, vibrates for touch actions.
   - **TalkBack**: When enabled, recites menu options, application titles, contacts, and other items when scrolling and making selections.
   - **SoundBack**: When enabled, plays tones for touch actions.

Power button

Use the Power button setting to enable ending voice calls by pressing the Power/Lock key. When this option is enabled, pressing the Power/Lock key during a call does not lock the screen.

Power button ends calls

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Accessibility**.
2. Touch **The power button ends calls** to enable or disable the setting. When enabled, a check mark appears in the check box.

Date & time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Date & time**.
2. Touch a setting to configure:
   - **Automatic**: Touch to enable or disable automatic date and time updates from the wireless network. When enabled, a check appears in the check box.
   - **Set date**: Enter the current date (only available when the Automatic setting is disabled).
   - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
   - **Set time**: Enter the current time (only available when the Automatic setting is disabled).
   - **Use 24-hour format**: Set the format for time displays.
   - **Select date format**: Set the format for date displays.

About phone

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **About phone**.
2. Touch items to view details:
   - **Status**: View Battery status, Battery level, Phone number, MIN, PRL version, MEID, Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, Wi-Fi MAC address, Bluetooth address, and Up time.
   - **Battery use**: Display the processes and applications that are currently running. Touch an item to view details.
   - **Legal information**: Display open source licenses and Google info.
   - **System tutorial**: View a tutorial to help you learn how to use your phone. Follow the prompts to move through the tutorial topics.
   - **Hardware version**: Display the hardware version of your phone.
   - **Model number**: Display your phone's model number.
   - **Firmware version**: Display the firmware version of your phone.
   - **Baseband version**: Display the baseband version of your phone.
   - **Kernel version**: Display the kernel version of your phone.
   - **Build number**: Display your phone's build number.

Set-up Wizard

Use the Set-up Wizard to set up your accounts, and to view helpful information about the phone.

Tip: The first time you turn your phone on, the Set-up Wizard will prompt you to personalize your phone.

1. From a Home screen, touch **Menu** ➔ **Settings** ➔ **Setup Wizard**.
2. Follow the prompts to configure:
   - **Add accounts**: Configure access to your Facebook, Twitter and MySpace, Corporate or Google accounts. For more information, see *"Accounts & sync"* on page 126.
   - **My Location**: Configure your phone's use of location services. for more information, see *"My Location"* on page 121.

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government.

These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 0.57 W/Kg.
- Body-worn: 0.52 W/Kg.

SAR information on this and other model phones can be viewed online at http://www.fcc.gov/oet/ea. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Please Note the Following Information When Using Your Handset

1. **WARNING REGARDING DISPLAY**

   The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

2. **WARRANTY DISCLAIMER: PROPER USE OF A TOUCH SCREEN HANDSET**

   If your handset has a touchscreen display, please note that a touchscreen responds best to a light touch from the pad of your finger or a non-metallic stylus.

Using excessive force or a metallic object when pressing on the touchscreen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty” on page 157.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: http://mobile.samsungusa.com/recycling/index.jsp or 1-800-822-8837 for more information.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source.

The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices.

However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals.

However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years.

However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF). FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996.

An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF).

Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000.

They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 1/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/
- Environmental Protection Agency (EPA): http://www.epa.gov/radiation/
- Occupational Safety and Health Administration's (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/index.html
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/
- World Health Organization (WHO): http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de
- Health Protection Agency: http://www.hpa.org.uk/radiation
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

Important!: If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.

- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: http://www.cdc.gov

1-888-232-6348 TTY

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

http://www.fcc.gov/oet/rfsafety/rf-faqs.html

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

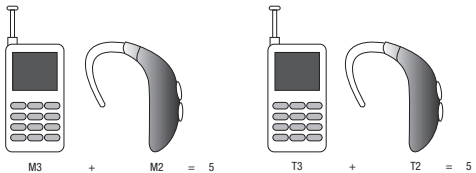
The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together.

A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5.

This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC/Wi-Fi Language

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider about its return and exchange policies and for information on hearing aid compatibility.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. From a Home screen, touch **Phone**. Enter the emergency number for your present location (for example, 911 or other official emergency number), then touch to place the call.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association:

NFPA (National Fire Protection Agency)

1 Batterymarch Park

Quincy, Massachusetts

USA 02169-7471

Internet: http://www.nfpa.org

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers.

The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty. There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call.
- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not modify or remanufacture the battery as this could result in serious safety hazards.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 14: Warranty Information

Standard Limited Warranty

What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or battery leakage, theft, blown fuse, or improper use of any electrical source; (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (j) any other acts which are not the fault of SAMSUNG; or (i) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or

show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the original date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are The Limits On Samsung's Warranty/liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS

WRITTEN WARRANTY STATED HEREIN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation,

whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

Samsung Telecommunications America, LLC

1301 E. Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important!: Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

Important!: If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

Phone: 1-888-987-HELP (4357)

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